991

CURRENT INFORMATION RESOURCE REQUIREMENTS OF THE FEDERAL GOVERNMENT: FISCAL YEAR 1991

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Office of
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Current Information Technology Resource Requirements of the Federal Government: Fiscal Year 1991

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CURRENT INFORMATION TECHNOLOGY RESOURCE REQUIREMENTS OF THE FEDERAL GOVERNMENT:
FISCAL YEAR 1991

The attached document is based on information submitted in support of the *Budget of the United States Government for Fiscal Year 1991*, and consists of a compilation of individual Federal agency information technology acquisition plans for the fiscal years 1990 through 1995.

It should be noted that the resources data contained in this document is subject to change and was prepared prior to the enactment of Fiscal Year 1991 appropriations. Further, the lists of specific acquisition plans represent agencies' best estimates of what they intend to acquire and how they plan to acquire it, given current budget estimates. Publication of the list should not be interpreted to guarantee funding or imply approval of a specific procurement by the Office of Management and Budget or the General Services Administration.

OMB's purpose in making this information available is twofold:

- To encourage and support public and oversight agency participation in the important decision-making process of how best to use information technology to improve the responsiveness and efficiency of the Federal government;

- To encourage competition in the Federal information technology market by providing information on opportunities to potential vendors.

The Office of Management and Budget welcomes public and agency comments and suggestions on improving the usefulness of this document. Such comments should be addressed to

Information Policy Branch
Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503

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EXECUTIVE OFFICE OF THE PRESIDENT

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Office of Administration

Item: Mainframe and Data Base Software Resources

Obligations:

1990	1991	1992	1993	1994	1995
0	4,475	179	179	59	59

Description: As a key part of its charter to provide common administrative support, the Office of Administration is responsible for providing information resources, including computers, in support of the Executive Office of the President (EOP). By fiscal year 1991, demand will exceed mainframe processing capacity in the EOP Data Processing Center; and known new systems will require an expanded processing facility. Consequently, a new mainframe computer is projected to replace three currently installed machines. The new mainframe will provide twice the existing processing capacity of the three present computers which were acquired in fiscal years 1982 and 1983.

Demand on the Data Center has increased steadily in the last six years. In the current fiscal year new services, such as records management, have been added and other services, such as correspondence tracking, have seen a substantial increase in activity. Moreover, one of the Data Center's largest clients, the Office of Management and Budget (OMB) is now requiring the processing of increasingly complex and time critical analyses during the budget review cycle. Finally, there are evolving plans for new, large scale processing requirements to which the Office of Administration must respond. In particular, OMB's project to consolidate its budget and financial management information systems will require the sophisticated use of a relational data base, a technology which will demand responsive computer capacity.

The projected mainframe acquisition will provide the capacity to meet these needs at least through FY 1993. Additional demand can be met, if and when it occurs, by upgrading rather than replacing the processor thereby extending its life beyond FY 1995.

DEPARTMENT OF AGRICULTURE

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Agricultural Marketing Service

Item: AMS-86-05 Commodity Procurement Automation

Obligations:

1990	1991	1992	1993	1994	1995
1,661	1,460	567	505	510	510

Description: To complete implementation of an integrated commodity procurement bid analysis processing and information system in three participating divisions by June 1990.

Item: AMS-86-09 Market News Telecommunications

Obligations:

1990	1991	1992	1993	1994	1995
879	887	895	903	911	911

Description: To upgrade the AMS Market News Telecommunications System through the use of new technology which will enable an orderly transition into a more sophisticated network of communications and computer technology and continue operation through the implementation of AGCOMNET by June 1991.

Item: AMS-CN-87-01 New Electronic Recording System

Obligations:

1990	1991	1992	1993	1994	1995
1,449	1,627	1,631	1,635	1,639	1,639

Description: To upgrade the present electronic recording system in classing offices and the Quality Control Section through the use of computers which meet the current and future needs of the Cotton Division and the cotton industry in the recording, processing, and dissemination of cotton classification data by May 1990.

Item: AMS-89-01 Market News Information System

Obligations:

1990	1991	1992	1993	1994	1995
939	1,563	609	337	0	0

Description: To provide a historical record of marketing activity data, readily available for recall, statistical summarization and analysis, and reporting, which will enhance the Market News mission by June 1991.

Item: AMS-XX-01 Agency FTS Voice Communications

Obligations:

1990	1991	1992	1993	1994	1995
1,600	1,800	2,100	2,200	2,300	2,400

Description: Nationwide Agency charge for FTS voice telephone service.

Item: AMS-XX-02 USDA National Finance Center

Obligations:

1990	1991	1992	1993	1994	1995
2,204	2,332	2,425	2,522	2,623	2,728

Description: AMS allocation of ADP portion of charges from the USDA National Finance Center for accounting, payroll, and personnel data processing and reporting.

Item: AMS-XX-04 USDA DEPNET Telecommunications System

Obligations:

1990	1991	1992	1993	1994	1995
1,100	1,100	1,100	1,100	1,100	1,100

Description: General telecommunication service costs via the USDA Departmental Data Communications Network (DEPNET) for data transfer and electronic mail nationwide.

Item: AMS-XX-08 Other "Non-Acquisition" Costs

Obligations:

1990	1991	1992	1993	1994	1995
866	886	895	905	915	925

Description: This item consists of a summary of miscellaneous items including office space, utility, personnel and other costs involving a wide variety of Agency IRM systems and activities that are too small for specific inclusion in this category.

Animal and Plant Health Inspection Service

Item: AP-26 Automated Risk Assessment System

Obligations:

1990	1991	1992	1993	1994	1995
642	114	728	728	757	767

Description: Automate the pest risk decision analysis used to determine commodity entry status, pathways of pest introduction, probability of pest establishment, developing pest lists, issuing permits for agricultural commodities and plant pests to enter the U.S. with safeguards, and to have data (pest scientific and common name, pest distribution, host(s) scientific and common name, references to distribution and hosts, etc.), including space for pertinent notes or attached information about organisms that are known to cause damage to approximately 3,000 plants of economic importance in the world.

Item: AP-31 Brucellosis Recording and Reporting Systems

Obligations:

1990	1991	1992	1993	1994	1995
4,038	4,954	471	0	0	0

Description: Develop and implement automated systems to support functional areas within the Brucellosis programs to act as localized record-keeping systems and distributed reporting systems.

Item: Class 2 Telecommunications (Voice and Data)

Obligations:

1990	1991	1992	1993	1994	1995
7,364	7,702	10,041	10,543	11,070	11,070

Description: This item reflects all ongoing expenses for the cost of hardware, FTS, TELENET, and leased lines in support of the Agency's needs for voice and data communications.

Item: Class 2 Microcomputer

Obligations:

1990	1991	1992	1993	1994	1995
2,636	2,784	2,923	3,069	3,222	3,383

Description: The reduction in staff, decreases in funding and increased reporting requirements in the Agency have required the introduction of microcomputers in many offices. This effort has been ongoing since FY84. Each machine is justified on its own merits based on the individual needs and the cost-effectiveness of the application of the equipment.

Item: Class 2 National Finance Center

Obligations:

1990	1991	1992	1993	1994	1995
5,881	6,241	6,553	6,880	7,224	7,585

Description: The National Finance Center (NFC) provides USDA Agencies with centralized computer support for administrative systems. NFC has a personnel/payroll, property, vehicle, and other administrative systems to support the Agencies. In support of the cooperative processing effort (Reform 88 and the Five Point Management Plan), NFC is making the online processing capability and remote processing of transactions available to the Agencies. This increased processing capability will increase overall Agency cost of processing at NFC.

Agricultural Research Service

Item: ARS-90-01 Research Automation

Obligations:

1990	1991	1992	1993	1994	1995
12,150	13,190	14,200	15,210	16,220	17,240

Description: New scientific instruments with imbedded microcomputers enable scientists to gather data with greater precision. Real-time data acquisition systems enable scientists to record and analyze data during the progress of experiments, so that they can be more closely controlled and research data more efficiently collected. Personal computers, along with a wide variety of applications software packages and programming tools, make it possible for scientists and technicians to organize, manage, analyze, and graphically visualize information; prepare manuscripts; and communicate with other researchers. Often successful use of automation technology early in a project leads to the need for additional computing resources to fully develop the research.

Item: ARS-90-02 Integrating Agricultural Scientific Knowledge

Obligations:

1990	1991	1992	1993	1994	1995
677	704	729	756	781	812

Description: This IRM objective supports Objectives 4 and 6 in the ARS Program Plan. These program objectives rely on the use of data from basic and applied research along with modeling and systems analysis techniques to simulate agricultural activities and practices. Program Objective 4 seeks to develop the means for achieving maximum use of agricultural products for domestic markets and export. Program Objective 6 seeks to develop the means for integrating scientific knowledge of agricultural production, processing, and marketing into systems that optimize resource management and facilitate transfer of technology to users.

Item: ARS-90-03 Telephones and Telecommunications Facilities

Obligations:

1990	1991	1992	1993	1994	1995
1,080	5,180	385	285	240	200

Description: The Government's voice and data communications network is undergoing major changes in equipment technologies, network architectures, and service offerings. These changes will reflect the new capabilities of the evolving FTS 2000 network, high bandwidth technologies, flexible and controllable networks utilizing advanced database and signaling systems, and intelligent network elements. Planning for the new communication network will present a major challenge. These new technologies will afford ARS an opportunity to design an efficient and flexible system under the new network to organize and process integrated information.

Item: ARS-90-04 Program and Administrative Management Systems

Obligations:

1990	1991	1992	1993	1994	1995
2,570	1,990	1,300	550	550	550

Description: Program and administrative management systems have existed in ARS with focus on the Area level. The reorganization of ARS and the national focus on planning, leadership and direction of ARS research, require control and management from an Agency view of where we are now and where we want to go. This will require adjustment and development of systems which support this direction.

Item: ARS-90-01 Contractual Support

Obligations:

1990	1991	1992	1993	1994	1995
2,900	3,200	3,500	3,900	4,300	4,700

Description: Increase reliance on the private sector for ADP services.

Item: ARS-90-02 Other Obligations from Exhibit A-11-43A

Obligations:

1990	1991	1992	1993	1994	1995
9,900	6,026	6,440	7,650	8,090	8,440

Description: Costs from Exhibit 43A in Class 1 or 2 items, e.g., voice and data telecommunications requirements (regardless of whether or not they are associated with an automated system) and non-major equipment, software, and ADP services required to provide scientific computing and laboratory automation support to ARS research facilities.

Agricultural Stabilization and Conservation Service

Item: ASC-7 Commodity Inventory Management

Obligations:

1990	1991	1992	1993	1994	1995
11,136	9,090	7,141	5,910	5,410	5,095

Description: The Grain Inventory Management System was replaced with a new, on-line data base systems developed under contract. Development of the Processed Commodities Inventory Management System (PCIMS) began in during fiscal year 1987 under contract with a significant portion being developed during fiscal year 1988. Replacement was necessary due to the systems no longer providing the level of service required for effective and efficient commodity management and expensive system maintenance, including a dedicated line from Kansas City to Fort Collins. The decrease in obligations from 1990 to 1991 reflects lower contractor assistance due to implementation of the major portion of PCIMS being completed in 1990.

Item: **ASC-17 Mainframe Systems**

Obligations:

1990	1991	1992	1993	1994	1995
2,090	1,890	1,890	1,990	2,090	2,190

Description: Application systems requiring development, conversion, or modification that cannot be accomplished with in-house personnel will be contracted out on a competitive basis. The decrease in obligations from 1990 to 1991 occurs due to lower contractor support being required in 1991.

Item: ASC-21 Tobacco and Cotton Automation

Obligations:

1990	1991	1992	1993	1994	1995
2,536	2,487	950	2,399	1,262	1,262

Description: A study will be conducted to determine the feasibility of establishing a data base that would be electronically updated by the tobacco associations and servicing agent banks and directly accessible to the Tobacco and Peanuts Division. Cotton, being an identity preserved commodity, has individual warehouse receipts and class cards for each bale of cotton. The volume associated with the commodity and the physical handling of the cards causes extensive workload in county offices. Up to three card processing centers will be located in the heavy cotton concentration areas. All warehouse receipts and class cards will be located here for handling and storage and the center will serve as a central site for cotton buyers to transact business. The decrease in obligations from 1990 to 1991 reflects completion of tobacco study and lower staff years for 1991.

Item: ASC-22 Management Information System

Obligations:

1990	1991	1992	1993	1994	1995
1,934	2,561	3,061	3,361	3,061	3,561

Description: More timely information is needed by ASCS management to support decisions on how programs administered by ASCS will be administered. It is also important to provide timely information to analysts who support management decisions on the future of these programs. Therefore, the development of a Management Information System is essential. Based on a "Critical Success Factor" Study and follow-up analysis of agency information needs, a number of potential subject databases have been identified for development. The net increase from 1990 to 1991 reflects more vendor assistance being required and less staff years used.

Item: ASC-24 Compatibility Limited Upgrade to the CCC Computer Facility

Obligations:

1990	1991	1992	1993	1994	1995
140	3,808	8,704	7,791	4,712	11,271

Description: ASCS previously awarded a contract to Digital Equipment Corporation and established the CCC Computer Facility. The system life of the facility has been extended to the year 2000. An assessment of user requirements and hardware/software needs telecommunication and compatibility with other ASCS systems was conducted during 1989. The increase from 1990 to 1991 reflects upgrades to the Facility.

Item: Personal Computers

Obligations:

1990	1991	1992	1993	1994	1995
1,092	941	969	836	641	641

Description: Personal computers will be acquired to support managers and program analysts at the Washington headquarters and major field offices. These computers will precede and supplement on-line work stations to be provided as part of the ASCS-FAS integration of IRM operations. The decrease in obligations from 1990 to 1991 reflects the possibility that an increasing number of work stations having access to the CCC computer facility and its data bases may lessen the need for personal computers.

Item: Telecommunications

Obligations:

1990	1991	1992	1993	1994	1995
25,505	27,669	28,528	29,362	30,311	31,438

Description: Telecommunications include telephone purchases for federal and county offices as well as telephone services. Telephone services are essential to the delivery of program services to the nation's farmers and for general administrative activities. Also included are departmental charges for various communication costs. The net increase in obligations from 1990 to 1991 reflects the general trend of rising costs for telecommunication services as offset by a decrease in telephone equipment purchases.

Item: Departmental Computer Centers

Obligations:

1990	1991	1992	1993	1994	1995
17,205	17,749	18,196	18,196	18,196	18,196

Description: These obligations reflect ASCS anticipated use of departmental computer centers to support programs of ASCS.

Item: Miscellaneous Purchase, Lease, and Maintenance of ADP Equipment

Obligations:

1990	1991	1992	1993	1994	1995
32,234	29,103	22,983	25,437	28,922	30,935

Description: This item reflects ongoing operating costs of ASCS that cannot be readily identified to the previously described ASCS objectives. The net decrease in obligations from 1990 to 1991 reflects a decrease in purchases of support hardware and software as offset by increases for maintenance.

Item: Vendor Assistance Not Otherwise Defined

Obligations:

1990	1991	1992	1993	1994	1995
13,684	10,147	9,023	8,882	8,693	8,705

Description: This item reflects ongoing operating costs of ASCS that cannot be performed in-house due to personnel being assigned to the various ASCS objectives. The decrease in obligations from 1990 to 1991 reflects reduced vendor assistance due to partial implementation of various ASCS objectives included in this item.

Cooperative State Research Service

Item: Commercial Services

Obligations:

1990	1991	1992	1993	1994	1995
770	744	818	898	987	1,085

Description: Maintenance and leased services.

Foreign Agricultural Service

Item: FAS-OB03 Joint USDA-ASCS/FAS IRM Activities

Obligations:

1990	1991	1992	1993	1994	1995
52	756	758	739	740	741

Description: The purpose of this objective is to promote integration and sharing of information resources, including hardware, software, and information, between FAS and ASCS. Most of the work on the joint PL-480 System, which will be implemented for use by both agencies in late fiscal year 1990, has been completed under a contract managed and funded by ASCS. FAS has also implemented the time and attendance system developed by ASCS. The significant increases in anticipated expenditures starting in FY 1991 for this objective reflect FAS' costs for hardware and software to be acquired in the joint FAS/ASCS ten year augmentation of the CCC Computer Facility, which will start in FY 1991 and extend through the next four to five years.

Item: FAS-ON06 Operational ADPE Systems Management

Obligations:

1990	1991	1992	1993	1994	1995
1,045	1,097	1,205	1,329	1,455	1,529

Description: This category includes contracted costs for facilities management of FAS Wang and DEC/PDP equipment, workstations, printers, and other peripheral equipment attached to the CCC Computer Facility. It also includes system software and problem resolution support, and a 10-member User Assistance Team whose costs (FY 1990 + $608,141) are reimbursed by ASCS. The reimbursement appears in FAS-ON12.

Item: FAS-ON08 Hardware Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
887	946	1,236	1,341	1,446	1,578

Description: Hardware maintenance costs include the maintenance costs of all FAS/Washington DEC/VAX peripherals, remaining Wang minicomputer system peripherals, ADP equipment overseas, FAS/W microcomputer equipment, and other terminals and peripherals used to communicate with Departmental computer centers.

Item: FAS-ON09 Commercial Programming and Analysis Support

Obligations:

1990	1991	1992	1993	1994	1995
689	928	1,048	1,141	1,198	1,260

Description: Commercial contract costs support maintenance of operational application systems before and after they have been enhanced or implemented as an IRM objective.

Item: FAS-ON10 Other Contracts and Studies

Obligations:

1990	1991	1992	1993	1994	1995
735	741	742	742	743	743

Description: Commercial contracts are used to support other than ADP systems development which includes subscriptions to Reuters and Commodity News Service, International Data Corporation, Wharton regional economic assessment publications, and voice communications.

Federal Crop Insurance Corporation

Item: F-1 Office Automation Strategy

Obligations:

1990	1991	1992	1993	1994	1995
1,050	3,140	2,820	0	0	0

Description: Conduct an analysis to determine the current and future ADP and office automation requirements of the Corporation; determine replacement requirements and alternatives; prepare solicitation document; and procure and install hardware, software and communications capabilities.

Item: **FM-2 Distributed Processing System**

Obligations:

1990	1991	1992	1993	1994	1995
1,929	1,840	1,950	2,000	2,000	2,055

Description: This system is the replacement system of FM-1. It processes and maintains all current marketing (sales), acreage reporting and claims functions relative to business handled by Sales and Service Contractors for FCIC.

Item: FM-3 Central Support Systems

Obligations:

1990	1991	1992	1993	1994	1995
5,054	5,073	5,100	5,150	5,250	5,300

Description: These system are comprised of a management information and central processing system, which process management and statistical information in an interactive environment. These systems support functions required and used by all areas of the Corporation.

Item: FM-4 Maintenance of Financial Management Systems

Obligations:

1990	1991	1992	1993	1994	1995
2,072	1,918	1,980	1,900	1,780	1,690

Description: These systems process and track all program funds and administrative accounting activities not being processed by NFC. This currently included the maintenance of financial systems still being processed on Honeywell equipment and systems (both new and redesigned) on IBM equipment.

Item: FM-5 Maintenance of Actuarial Systems

Obligations:

1990	1991	1992	1993	1994	1995
3,283	3,280	3,150	3,155	3,175	3,200

Description: This activity includes the maintenance of actuarial databases and systems containing agricultural prices, dated, detailed and aggregated contract experience, reported actual production, history yields, etc., for both reinsured and federal contracts.

Farmers Home Administration

Item: DP-1 Distributed Processing (Hardware)

Obligations:

1990	1991	1992	1993	1994	1995
11,300	10,800	5,250	5,250	5,250	5,250

Description: Local computing and office automation capability were acquired for all Forest Service Regional and Forest headquarters, and for most Ranger Districts. These facilities were obtained through a Service-wide contract with Data General Corporation for minicomputers which was awarded in FY 83. Other capabilities beyond the initial ones of word processing and electronic mail such as enhanced data entry will be accomplished by 1993 and enhanced/expanded memory and storage capabilities of existing facilities by 1995.

Item: T-2 Telephones and Private Branch Exchanges (PBX)

Obligations:

1990	1991	1992	1993	1994	1995
2,000	2,000	2,000	2,000	2,000	2,000

Description: Modernization and replacement of telephone facilities in Regional and National Forest offices. Included is the purchase of currently leased switch systems and telephone sets.

Item: T-3 Radio Communications Systems

Obligations:

1990	1991	1992	1993	1994	1995
4,287	5,000	5,000	5,000	5,000	5,000

Description: Increase the use of Forest Service telecommunications to reduce costs and improve operations for voice communications by replacing obsolete radio equipment and installing systems where common carriers are non-existent.

Item: G-1 Geographic Information System

Obligations:

1990	1991	1992	1993	1994	1995
6,500	25,500	25,000	25,000	25,000	25,000

Description: Acquire and implement an automated system to handle spatial data normally found on maps, blueprints, and drawings to support managers, planners, and resource specialists in making decisions relative to planning and monitoring objectives of the National Forest Management Act (NFMA) and Resources Planning Act (RPA).

Item: G-2 Graphics Facilities

Obligations:

1990	1991	1992	1993	1994	1995
4,500	3,000	2,000	2,000	2,000	2,000

Description: Based on experience with stand-alone interactive graphics systems and anticipated future needs, a study is currently under way to determine the feasibility of adding this capability to the Forest Level Information Processing System.

Item: DB-1 Information Systems Software

Obligations:

1990	1991	1992	1993	1994	1995
7,442	6,403	5,000	5,000	5,000	5,000

Description: Implement Service-wide data base, analytical, modeling and management information systems compatible with distributed processing to reduce operation costs and get information more quickly.

Item: Commercial ADPE Services

Obligations:

1990	1991	1992	1993	1994	1995
3,726	3,726	3,726	3,726	3,726	3,726

Description: ADPE services from commercial sources. These services are for Research access to on-line commercial bibliographic data bases, systems design and development, training, and studies.

Item: Commercial Telephone Charges

Obligations:

1990	1991	1992	1993	1994	1995
16,524	16,524	16,524	16,524	16,524	16,524

Description: Charges for commercial telephone usage by all Forest Service offices.

Item: Telecommunications Equipment Operations and Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
6,612	6,612	6,612	6,612	6,612	6,612

Description: Operation and maintenance of telecommunications equipment not covered by the DEPNET contract. This item includes equipment and space rental, supplies, and maintenance.

Item: Other Charges for ADP Services

Obligations:

1990	1991	1992	1993	1994	1995
3,355	3,355	3,355	3,355	3,355	3,355

Description: Charges for ADP services from organizations outside of the executive branch.

Food Safety and Inspection Service

Item: Extension of ADP to the In-Plant level 0-7

Obligations:

1990	1991	1992	1993	1994	1995
5	50	1,599	5,007	5,566	6,245

Description: Install microcomputers in principle meat and Poultry plants to enhance reporting and use of data and information at the inspector level.

Item: Science IRM 0-11

Obligations:

1990	1991	1992	1993	1994	1995
500	500	1,925	1,825	1,275	1,275

Description: A relational data base management system will be procured and implemented for the program's microbiological and residue information system. A commercial information acquisition and management system will be procured and implemented at the field laboratories.

Item: Develop the Performance-Based Inspection System 0-14

Obligations:

1990	1991	1992	1993	1994	1995
1,065	1,315	1,515	1,810	1,560	1,560

Description: Develop and implement an ADP system to support improvements in the scheduling and task assignments for the inspection of processed products.

National Agricultural Library

Item: NALPSD-88 Establish Information Centers

Obligations:

1990	1991	1992	1993	1994	1995
1,197	2,139	1,587	1,587	1,587	1,587

Description: NAL will establish information centers on various agricultural topics, with priorities given to high interest subject areas, to expand the quantity and quality of information available on agricultural subjects.

Item: NALISD-88 Production Services

Obligations:

1990	1991	1992	1993	1994	1995
684	730	750	770	780	800

Description: Support costs for the AGRICOLA database, NAL maintained databases and services.

National Agricultural Statistics Service

Item: NASS 1-3 Computer-Assisted Data Capture

Obligations:

1990	1991	1992	1993	1994	1995
912	1,010	950	870	890	890

Description: NASS plans to implement computer-assisted telephone interviewing (CATI) for all forty-four State Statistical Offices. CATI offers benefit to both NASS and its respondents by simplifying the interviews plus combining the data collection, data entry, and data validation operations. The increase reflects the installation of local area networks and CATI in additional State Statistical Offices.

Item: NASS 1-8 State Statistical Office Local Area Networks

Obligations:

1990	1991	1992	1993	1994	1995
3,174	3,786	4,500	3,000	2,500	2,000

Description: An RFP has resulted in an eight year contract for the purchase, installation, and maintenance of local area networks in each of the NASS State Statistical Offices. They will support the NASS requirements for data entry, on-line mainframe data base processing, computer assisted data capture, word processing, desktop publishing, publication-quality graphics, spreadsheet applications, statistical analysis of data, and access to batch processing on the mainframe. This will standardize the equipment in the Statistical Offices. The decrease in FY 1993 indicates the completion of the major procurement phase of this initiative, but subsequent year funds indicate the continued maintenance and hardware wear/replacement needs.

Item: NASS 2-2 Teleprocessing Service Contracts

Obligations:

1990	1991	1992	1993	1994	1995
4,000	4,700	5,170	5,687	6,256	6,881

Description: These contracts provide distributed data processing services to NASS. Nearly all of the Agency's large data processing needs are met with services provided under a contract with Martin Marietta Data Systems. The MMDS contract was awarded in October 1989 and has an eight year systems life. The increase reflects in part the re-request for additional funds for information processing and dissemination.

Office of Finance and Management

Item: OFM-1 Design, Develop, and Implement Financial Systems

Obligations:

1990	1991	1992	1993	1994	1995
5,074	4,699	4,533	4,457	4,679	4,679

Description: Examine and enhance Department-wide automated management systems handling payroll/personnel, administrative payments, property management, and billings and collections in order to develop simpler and more economical processing methods through September 1995. In addition, to design, develop, and implement a record keeper system for the Thrift Savings Plan portion of the Federal Employees' Retirement System.

Item: OFM-3 ADP Equipment

Obligations:

1990	1991	1992	1993	1994	1995
7,220	6,428	6,100	5,900	7,100	7,200

Description: Obtain and maintain state-of-the-art ADP equipment, software, and related environmental support equipment needed to improve delivery of services and program management and to accomplish the projected workload through September 1995.

Item: OFM-6 NFC ADP Security and Data Integrity

Obligations:

1990	1991	1992	1993	1994	1995
935	974	1,017	1,064	1,117	1,117

Description: Develop, implement, and expand an application certification program to assure that NFC developed systems are and remain in conformance with applicable Departmental and Federal directives.

Item: OFM-7 Cross-Servicing

Obligations:

1990	1991	1992	1993	1994	1995
2,463	2,942	3,103	3,212	3,373	3,373

Description: To extend cost-effective financial management services to other Federal agencies through September 1995. Provide other Federal users with computer software only or total processing; processing a single application or all NFC systems; using computer programs "as is" or with special modifications; or the development of the Thrift Savings Plan System.

Office of General Counsel

Item: OGC-1 Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
1,295	1,546	1,170	1,170	1,170	1,170

Description: The obligations necessary to acquire and maintain an integrated office automation system.

Office of Inspector General

Item: OIG-1 Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
340	1,054	864	822	379	387

Description: As a result of a requirement analysis and other studies, OIG has completed the greater part of a phased installation of an integrated office automation system. OIG participated on the Departmental AMPS Contract and has installed AT&T equipment throughout Washington, Regional and Suboffices. Equipment was installed in FY 86 and FY 87 which now must be upgraded to adequately support the heavy use it is receiving. It will be supplemented as needed as more OIG personnel are trained in the equipment and software available.

Item: OIG-2 ADP Operations and Systems Support

Obligations:

1990	1991	1992	1993	1994	1995
2,190	2,265	2,328	2,382	2,430	2,479

Description: The Office of Inspector General uses commercial services to provide training of OIG personnel. OIG also uses commercial services to perform systems work when necessary. OIG maintains all hardware through a time and materials contract.

Office of Information and Resources Management

Item: D-85/86R-2 Enhancing Information Management (IMD)

Obligations:

1990	1991	1992	1993	1994	1995
845	864	864	864	864	864

Description: To provide a framework to better manage USDA information by September 1992. To accomplish this goal, we must develop policies and standards to assure: (1) that compatibility and information sharing are increased; (2) that information is made available to those who have a need and are legally entitled to it; (3) that decision makers get current, accurate, and necessary information in a timely manner; (4) the Departmental Information Locator System is used to full potential; (5) that we identify and eliminate duplicative and overlapping information collections; and (6) that we all take full advantage of technology to improve our information collection, handling, storage, dissemination, and disposition activities.

Item: NCC-FC-10 Major ADP Acquisitions

Obligations:

1990	1991	1992	1993	1994	1995
1,247	885	310	1,000	1,000	1,250

Description: Major equipment acquisitions are planned to accomplish the information processing requirements of the center's clients. The center continually assesses the data processing workload requirements of its clients, as well as keeping abreast of technological developments in the ADP field. In this process, the center analyzes ADP equipment configuration needs and periodically takes actions to procure the necessary additional equipment or upgrades (modernizations) of existing equipment. This objective requires data communications compatibility with an increase large-scale data interchange between USDA computers through effective networking. The direction is toward achievement of a high level of compatibility in IRM activities.

Item: TD-02-2 Telecommunications Service Organization (TSO)

Obligations:

1990	1991	1992	1993	1994	1995
830	850	850	850	850	850

Description: TSO operations provide telephone repair, directory updating telephone feature changes to USDA in the metropolitan area and is a contractor operated service.

Item: NCC-KC02-1 ADP Support

Obligations:

1990	1991	1992	1993	1994	1995
49,289	60,480	50,655	41,172	45,546	47,049

Description: Funding identified represent IBM compatible equipment, software and support costs at both the National Computer Centers at Kansas City (NCC-DC) and Fort Collins (NCC-FC) and Honeywell equipment, software and support costs at the NCC-KC. The capital funding included in the obligations (not part of fiscal year expenses) are assumed at required/requested levels. If actual allocation of capital funding is lower than anticipated, operating expenses will have to be increased to cover the hardware/software lease-to-ownership expense. The obligations identified for 1995 represent a 3.3% inflationary increase over 1994.

Item: NCC-FC02-1 ADP Support

Obligations:

1990	1991	1992	1993	1994	1995
10,278	8,426	7,541	7,541	7,541	7,541

Description: The obligations identified above will ensure that the NCC-FC is in a position to provide information management and processing services as well as certain research, development, testing, technical leadership, and consultation in the use of computer and data communications technology to meet programs and administrative needs of the Department and its agencies, and other users as required.

Item: OD02-1 Administrative Operations (OD)

Obligations:

1990	1991	1992	1993	1994	1995
2,245	2,257	2,257	2,257	2,257	2,257

Description: Handles the management services functions of the Office of Information Resources Management, in addition to the leadership role the Agency plays within the Department in policy, oversight and guidance. Develop and recommend Departmental information resources management principles and objectives. AgComNet: This project now moves into the transition and implementation planning for the data telecommunications needs. In FY 1990, management will be developing the "Mirror Image Network design" so the agencies will have a smooth cut over from the current environment to AgComNet. This planning will be completed in late calendar year 1990 with transition to begin in January 1991. In FY 1991, when the transition has been completed, management will begin the optimization phase of improving the network where it is most economical to the Department as a whole.

Rural Electrification Administration

Item: Management Information Systems

Obligations:

1990	1991	1992	1993	1994	1995
1,416	1,525	1,570	1,630	1,640	1,650

Description: This item covers the on-going operation cost of the Agency Management Information Systems and activities not covered specifically by the IRM Long Range Plan (but included in the budget submission and Exhibit 43A).

Soil and Conservation Service

Item: ENG-1 FOES

Obligations:

1990	1991	1992	1993	1994	1995
2,859	3,782	6,200	6,300	6,400	6,400

Description: To develop integrated engineering software to be used at the SCS field and area office levels.

Item: IRM-3 FOCAS

Obligations:

1990	1991	1992	1993	1994	1995
27,198	29,861	8,120	8,120	8,120	8,120

Description: To provide the hardware and commercial software for end users at area and field offices.

Item: CGI-1 Implement GRASS

Obligations:

1990	1991	1992	1993	1994	1995
1,141	1,260	1,445	1,647	122	122

Description: To develop and implement Geographic Information System (GIS) technology for improved natural resource planning, analysis, and display in support of field office operations.

Item: CPA-1 Implement CAMPS

Obligations:

1990	1991	1992	1993	1994	1995
1,870	2,220	2,220	2,870	2,820	2,820

Description: To develop and implement an integrated Computer Assisted Management and Planning System in SCS field offices.

Item: IRM-4 State Office Automation Plan

Obligations:

1990	1991	1992	1993	1994	1995
0	100	2,150	8,100	8,100	8,100

Description: To automate state offices and above with state-of-the-art hardware.

Item: WPD-1 Water Erosion Prediction Project

Obligations:

1990	1991	1992	1993	1994	1995
790	548	1,320	1,283	1,263	1,263

Description: To provide the SCS field offices with an operational computer program that will perform soil erosion calculations.

DEPARTMENT OF COMMERCE

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

General Administration

Item: Financial Management Information System

Obligations:

1990	1991	1992	1993	1994	1995
4,272	3541	3090	3090	3090	3090

Description: Consolidation of the Department's budget and accounting Systems in accordance with OMB Circular No. A-127.

Item: Legal Information Retrieval

Obligations:

1990	1991	1992	1993	1994	1995
754	793	833	875	918	964

Description: Consolidation of the Department's budget and accounting Systems in accordance with OMB Circular No. A-127.

Bureau of the Census

Item: "Bridge" Computer System

Obligations:

1990	1991	1992	1993	1994	1995
5,534	0	0	0	0	0

Description: Continued lease-to-ownership agreement and associated maintenance and software support for the large-scale Sperry 1100 system acquired in FY 1983.

Item: Geographic Support System

Obligations:

1990	1991	1992	1993	1994	1995
2,446	2,446	2,446	0	0	0

Description: Acquisition and maintenance of equipment in support of an automated geographic-cartographic production system.

Item: Decennial Data Capture

Obligations:

1990	1991	1992	1993	1994	1995
6,615	3,001	1,941	0	0	0

Description: Maintenance and support of equipment installed to support the data collection activities for the 1990 Decennial Census.

Item: Online Data Storage

Obligations:

1990	1991	1992	1993	1994	1995
1,300	1,300	1,300	1,300	1,300	1,300

Description: Maintenance and related support of the Bureau's on-line storage systems.

Item: Computer Replacements (No. 1 and 2)

Obligations:

1990	1991	1992	1993	1994	1995
14,600	10,817	9,148	5,126	13,526	4,526

Description: This includes both the acquisition of an additional mainframe as well as maintenance and related support associated with the replacement of existing systems.

International Trade Administration

Item: Commercial Information Management System (CIMS)

Obligations:

1990	1991	1992	1993	1994	1995
5,205	4,652	5,688	5,415	5,415	5,415

Description: Continued operations of CIMS, providing access to trade development related information resources, to district ITA offices and foreign posts of the commercial services, and communications with each other.

Bureau of Export Administration

Item: Export Control Automated Support System (ECASS)

Obligations:

1990	1991	1992	1993	1994	1995
2,765	2,160	2,737	2,737	2,792	2,802

Description: Implement the planned ECASS enhancements and system redesign by 1990 resulting in a virtual automated export licensing process with reduced license processing time and more effective enforcement of export regulations.

Minority Business Development Agency

Item: Minority Business Development Program

Obligations:

1990	1991	1992	1993	1994	1995
1,450	1,400	1,900	1,900	1,900	1,900

Description: Continued access to time sharing and other information resource data bases used by funded organizations to assist minority business persons.

National Oceanic and Atmospheric Administration

National Weather Service, NOAA

Item: ADP/Telecommunications Requirements for the River and Flood Forecast and Warning Program

Obligations:

1990	1991	1992	1993	1994	1995
1,425	1,572	1,758	1,638	1,542	1,576

Description: Purchase and commercial services costs associated with upgrades of the River Forecast Center's computers and hydrologic systems.

Item: Information Technology Systems Requirements for the NWS/NMC FB4 Computer Facility

Obligations:

1990	1991	1992	1993	1994	1995
15,383	16,341	17,917	18,348	18,353	20,188

Description: Purchase and commercial services costs associated with systems enhancements and operational maintenance of the NWS/NMC FB4 Computer Facility.

Item: Information Technology Requirements for the National Severe Storms Forecast Center (NSSFC)

Obligations:

1990	1991	1992	1993	1994	1995
509	514	519	3,544	949	949

Description: Purchase and commercial services costs associated with upgrades, enhancements, and operational maintenance of the NSSFC computers.

Item: AFOS Replacement System

Obligations:

1990	1991	1992	1993	1994	1995
10,050	44,700	44,950	48,450	48,450	48,500

Description: Purchase, equipment rental, and commercial services costs associated with the definition and development of an AFOS Replacement System.

Item: Modernization and Restructuring Demonstration and Implementation (MARDI)

Obligations:

1990	1991	1992	1993	1994	1995
550	5,270	5,720	4,880	4,210	2,610

Description: Purchase, equipment rental, and commercial services costs associated with the demonstration and implementation of new technologies for a modernized National Weather Service.

Item: Upgrading and Restoring Observations Basic to the NWS Forecast Mission

Obligations:

1990	1991	1992	1993	1994	1995
2,392	1,792	1,661	305	248	248

Description: Purchase and commercial services costs associated with procurement of upper air microcomputer systems, maintenance of radar data processing systems, and interfacing data collection systems.

Item: Telecommunication Requirements for the National Weather Service

Obligations:

1990	1991	1992	1993	1994	1995
10,895	10,945	10,845	10,505	10,505	10,505

Description: Purchase, equipment rental, and commercial services costs associated with the upgrade, lease, and maintenance of NWS telecommunications systems.

Item: Automation of Field Operations and Services (AFOS) Program

Obligations:

1990	1991	1992	1993	1994	1995
3,650	2,300	1,550	720	720	620

Description: Purchase and commercial services costs associated with continuing operations of the AFOS system.

Item: NOAA Data Buoy Center (NCBC) Environmental Processing

Obligations:

1990	1991	1992	1993	1994	1995
1,575	1,675	1,675	1,730	1,795	1,855

Description: Purchase, equipment rental, and commercial services costs associated with system upgrades, operations and maintenance.

Item: NOAAPORT Data Transmission System

Obligations:

1990	1991	1992	1993	1994	1995
600	7,000	2,000	2,000	2,000	2,000

Description: Purchases required to process and prepare GOES I-M remapped imagery and other satellite derived products and leased broadcast telecommuniations services.

Item: Upgrade/Enhance the Office of Systems Operations (OSO) Gateway Computer Systems

Obligations:

1990	1991	1992	1993	1994	1995
2,210	2,090	1,870	900	990	925

Description: Purchase and commercial services costs associated with technology upgrades and operational maintenance of the OSO gateway computer systems.

Item: Automated Surface Observing Systems (ASOS)

Obligations:

1990	1991	1992	1993	1994	1995
900	9,410	7,425	4,521	715	5,925

Description: Purchase costs associated with procurement of Automated Surface Observing Systems.

Item: Operational Support for the Next Generation Weather Radar (NEXRAD)

Obligations:

1990	1991	1992	1993	1994	1995
411	954	3,210	5,184	5,826	5,900

Description: Telecommunications and ADP Support Services for the operational support of NEXRAD systems.

Item: Information Technology System Requirements for the National Meteorological Center (NMC)

Obligations:

1990	1991	1992	1993	1994	1995
1,806	1,950	1,970	2,030	2,040	2,040

Description: Purchase, rental and commercial services costs associated with maintenance, software development, system upgrades, and system enhancements.

Oceanic and Atmospheric Research

Item: Information Technology Systems Requirements for the GFDL Facility

Obligations:

1990	1991	1992	1993	1994	1995
7,263	6,658	6,166	6,574	6,183	6,192

Description: The funding will be used for a Class VII computer lease, and for the purchasing of services and supplies to support the acquisition.

National Marine Fisheries Service

Item: Information Technology Upgrade (IT-95)

Obligations:

1990	1991	1992	1993	1994	1995
200	1,700	2,500	2,500	5,000	4,500

Description: Purchases and commercial services to replace or upgrade the existing major computer systems. The seven initial sites will be linked with an X.25 compliant wide-area network.

National Environmental Satellite, Data, and Information Service

Item: Environmental Data Management and User Services (DAMUS) System

Obligations:

1990	1991	1992	1993	1994	1995
3,900	4,100	4,100	4,100	4,100	4,100

Description: Operate and maintain the complex of systems, including the DAMUS central computer facility in Asheville, N.C., as well as data ingest subsystems at each of the NESDIS data centers, which manage the environmental retrospective data archive and service request for those data.

Item: Satellite Operations

Obligations:

1990	1991	1992	1993	1994	1995
11,956	9,494	9,873	10,268	10,679	11,106

Description: NOAA's meteorological satellite operations (Polar-orbiting and geo-stationary) includes the command and control of satellites, tracking of satellites, and acquisition of remotely sensed data.

Item: LANDSAT Operations

Obligations:

1990	1991	1992	1993	1994	1995
5,800	1,700	0	0	0	0

Description: Provide a ground system for LANDSAT 6 to command and control the spacecraft, as well as perform data acquisition and processing.

Item: Polar-Orbiting and Geostationary Atmospheric Soundings

Obligations:

1990	1991	1992	1993	1994	1995
4,107	3,883	3,191	3,209	3,927	3,509

Description: Provide for the design, implementation and science maintenance of software systems which process raw data from the NOAA, DMSP, and GOES satellites into atmospheric sounding products.

Item: Geostationary Ground System (GOES)

Obligations:

1990	1991	1992	1993	1994	1995
15,089	7,359	5,844	5,594	4,044	4,295

Description: The GOES concept includes four major activities to support GOES mission requirements. They are: system refurbishment, product production facilities, system operation and control, and support systems.

Item: Satellite Information Processing System

Obligations:

1990	1991	1992	1993	1994	1995
4,288	9,978	5,095	9,387	8,964	4,854

Description: Provides for operational logistics and supporting services and system enhancements, upgrades, and expansions to serve the current and future mission requirements placed upon the Meteorological Satellite (METSAT) Data Processing Services Subsystem (DPSS).

Item: Polar Satellite Ground System

Obligations:

1990	1991	1992	1993	1994	1995
5,434	2,724	2,657	4,009	9,001	41,399

Description: Provide for polar satellite ground system to: command, control and monitor the orbiting spacecraft; acquire instrument data from the satellite; and, distribute the data to processing centers.

Item: Development, Maintenance, and Operation for the United States SARSAT Mission Control Center

Obligations:

1990	1991	1992	1993	1994	1995
2,965	3,030	3,380	3,380	3,380	3,380

Description: Provide development, operations, and maintenance resources for an operational ground system to receive, process and distribute to rescue forces worldwide Search and Rescue distress alert data from NOAA and Soviet spacecraft to rescue forces.

National Ocean Service

Item: Nautical Chart Automation (NCAP)

Obligations:

1990	1991	1992	1993	1994	1995
4,491	4,211	3,485	2,830	1,367	1,325

Description: Provide for the design and implementation of a system to support maintenance of nautical charts.

Item: Aeronautical Chart Automation Project (ACAP)

Obligations:

1990	1991	1992	1993	1994	1995
2,790	3,042	1,950	2,038	2,132	2,132

Description: The automation of data verification and aeronautical chart compilation.

Item: National Geodetic Survey Computer Support System

Obligations:

1990	1991	1992	1993	1994	1995
2,305	2,330	2,380	2,340	2,480	2,440

Description: ADP support for geodetic reference systems and data/information dissemination.

Item: ADP Support for the Ocean Assessments Division

Obligations:

1990	1991	1992	1993	1994	1995
942	967	997	997	1,126	890

Description: Identifying opportunities for improvements in current OAD systems.

Item: ADP Support for the Ocean Services Division

Obligations:

1990	1991	1992	1993	1994	1995
3,835	3,637	2,737	2,787	2,887	4,050

Description: Continuing effort to provide the necessary ADP support to accomplish the objectives of the Ocean Services program.

Patent and Trademark Office

Item: Patent Automation

Obligations:

1990	1991	1992	1993	1994	1995
35,417	45,797	47,371	59,791	59,364	52,235

Description: Acquisition of information technology for automation of the patent related activities through the implementation of the Automated Patent System (APS). Values are current estimates associated with the APS contract.

Item: Trademark Automation

Obligations:

1990	1991	1992	1993	1994	1995
1,875	3,330	3,502	3,720	3,518	3,427

Description: Acquisition of information technology for automation of trademark processing activities through the operation of the Trademark Search System (T-Search), the UNYSIS A-15 for TRAM, and enhancements to existing programs. Values are current estimates of the automated trademark systems.

Item: Management and Administrative Systems

Obligations:

1990	1991	1992	1993	1994	1995
15,682	18,570	18,768	19,033	19,283	19,518

Description: Interrelated automation activities which support existing ADP systems, and the patent and trademark automation program.

National Institute of Standards and Technology (NIST)

Item: DOC Supercomputer Facility

Obligations:

1990	1991	1992	1993	1994	1995
7,041	9,488	11,999	12,433	11,508	8,230

Description: Lease, acquisition and maintenance of equipment for the supercomputer facility. The increase in 1991 reflects an upgrade of the current facility by phasing in a networked systems of computers. The increase beginning in 1992 reflects funding for staff support and the decrease beginning in 1994 is because the equipment wil become owned after the three year lease period.

DEPARTMENT OF DEFENSE–AIR FORCE

Major Information Technology Acquisition Plans
1990-1994
(in thousands of dollars)

Departmental Administration

Item: Headquarters Systems Replacement Program (HSRP)

Obligations:

1990	1991	1992	1993	1994
30,100	19,881	11,268	10,647	10,536

Description: This program will competitively replace the classified and unclassified Honeywell computer systems and will ensure information systems support through the year 2000. Honeywell no longer has operating system upgrades available and discontinued production of classified hardware in 1988. The systems which will be replaced by the HSRP are the major source of information systems support for the Office of the Secretary of the Air Force, the Organization of the Joint Chiefs of Staff, the Air Staff, and numerous other agencies.

Item: Personal Computer Support for Personnel Concept III (PC-III) at Air Forces Bases Worldwide

Obligations:

1990	1991	1992	1993	1994
10,155	44,568	41,457	11,848	0

Description: PC-III is a program being undertaken by the Air Force Military Personnel Center (AFMPC) to improve the quality and efficiency of personnel service at locations throughout the world, including every Air Force base. Implementation will result in a manpower savings of 1,537 spaces. Funding is for purchase and maintenance of equipment through use of the Standard Multiuser Small Computer Requirements Contract (SMSCRC). In terms of hardware, the system will be implemented at every Air Force base and consist of minicomputers (known as gateway computers), located at a central site, and end-point computers located in key locations on base with printers and terminals in the users work areas. In FY94, PC-III will reach full operation capability and O&M support will shift to the Personnel Data System (PDS) (ADPS 13).

Item: Initial distributive network for MAC's Information Processing System

Obligations:

1990	1991	1992	1993	1994
14,113	28,717	48,873	69,747	63,115

Description: Purchase ADPE and commercial services to establish and maintain ADPE to provide MAC commanders with integrated procedures, personnel, and information systems required to support the flow of the minimum-essential wartime command and control information.

Item: Air Force Command and Control System (AFC2S)

Obligations:

1990	1991	1992	1993	1994
9,301	35,033	22,611	23,797	23,518

Description: AFC2S will provide improved capabilities over a wide range of functional areas throughout the Air Force. This program will modernize, integrate, and implement the Air Force standard and command-unique C2 systems. It will enable our senior military leaders to respond to real-world crises with information which is both more timely and accurate than current ADP technology in this area.

Item: Strategic War Planning System

Obligations:

1990	1991	1992	1993	1994
57,189	44,801	62,344	63,077	71,034

Description: Information Systems upgrade of the Strategic War Planning System to support current and future planned strategic weapon systems and national policy.

Item: Computer Replacements for TRICOMS and SMDPS.

Obligations:

1990	1991	1992	1993	1994
2,300	14,900	7,400	4,370	2,250

Description: Replaces one of the TRICOMS CPU's and upgrades another ensuring SWPS maintains planning capability to support Presidentially mandated directives for the SIOP. In addition, increased capability will be obtained in SMDPS Phase III which is replacing the outdated and costly Phase II system.

Item: Nuclear Mission Planning Preparation System RDT&E and SWPS Software enhancements.

Obligations:

1990	1991	1992	1993	1994
6,940	5,670	11,800	11,890	11,300

Description: Provides the research, development, testing and engineering for the Nuclear Mission Planning Preparation System which will provide the increased planning capabilities and weapon system data for HQ SAC and units. It also provides enhanced software capabilities supporting the JSTPS/HQ SAC to develop SIOP.

Item: Security Assistance Central Accounting System (SACAS)

Obligations:

1990	1991	1992	1993	1994
3,085	4,088	--	--	--

Description: SACAS will be developed as an automated accounting system replacing the operational Defense Integrated Financial System (DIFS) and incorporating all the accounting, pricing, and financial reporting requirements set forth in DoD 7220.9-M, DoD Accounting Manual; DoD 7290.3-M, FMS Financial Management Manual; and DoD 5105.38-M, Security Assistance Management Manual. SACAS functions will interface with the existing Military Departments (MILDEPs) through their FMS Integrated Control Systems (FICS) and will include, as a minimum, subsystems for General Ledger, Cash Management Billing, Budget Execution, Performance/Delivery Reporting, and Management Information. SACAS will be incrementally developed and tested using contractor resources, with program management and oversight provided by the SACAS PMO as delegated by the Commander, AFAFC.

Item: Contracting Data Management System (CDMS)

Obligations:

1990	1991	1992	1993	1994
10,358	10,434	7,418	5,885	5,674

Description: Design, develop, prototype and install a single AFLC-wide CDMS to support the central contracting mission. CDMS will track and maintain pre- and post-contracting actions, measure workload, compute contract delinquencies, provide financial management information, and forecast the contractual deliveries posture.

Item: Requirements Data Bank (RDB)

Obligations:

1990	1991	1992	1993	1994
13,741	18,273	19,204	17,528	10,385

Description: RDB will enhance and expand the requirements operations systems and the requirements management information systems. The requirements operations systems are involved with day-to-day management of items. These systems provide item information on how much and when to repair, buy, terminate from contract or dispose of excess. Enhancement of the requirements operations systems is essential to provide the necessary baseline for the development of executive management requirements information systems. These systems will support simulation and decision models required to make resource and strategic decisions on logistics alternatives and to support force readiness and capability measurement.

Item: Stock Control and Distribution (SC&D) System

Obligations:

1990	1991	1992	1993	1994
21,381	3,200	--	--	--

Description: SC&D will modernize and consolidate a significant portion of the Stock Control & Distribution Systems into one standard integrated transaction oriented system, operating in an on-line environment. Successful completion of the project will satisfy the requirement to improve AF readiness by accomplishing three broad objectives: (1) improve AFLC's asset visibility and ability to direct and control use of resources, (2) improve AFLC's logistic process for more efficient use of resources, and (3) move toward common systems within DOD without compromising AF requirements.

Item: Depot Maintenance Management Information System (DMMIS)

Obligations:

1990	1991	1992	1993	1994
29,332	38,057	1,113	993	--

Description: DMMIS is a long range program to improve maintenance systems by upgrading production management support and increasing system responsiveness and utility. Projected benefits totaling $705M (FY87) include increased labor productivity, reduced maintenance labor overtime, and reduced inventory costs.

Item: Local Area Network (LAN)

Obligations:

1990	1991	1992	1993	1994
18,489	--	--	--	--

Description: Develop a modern LAN at HQ AFLC and five Air Logistics Centers to provide connectivity between the various functional distributed logistics management systems in the LMS Modernization Program. This includes specialized network interface devices and software interfaces to convert protocols and control the media access, seven cable plants as the physical medium to provide connectivity between all attached computers and terminals, and systems engineering services required for definition, design and installation of networking to support terminal-to-computer and computer-to-computer applications in both homogeneous and heterogeneous equipment environments.

Item: Air Force Technical Order Management System (AFTOMS)

Obligations:

1990	1991	1992	1993	1994
2,895	--	--	--	--

Description: The Air Force Technical Order Management System (AFTOMS is an Air Force program to modernize the technical order (T.O.) infrastructure to provide for specification, receipt, storage, and configuration management of T.O.s and their distribution to base libraries world-wide. The number of base libraries will be dictated by weapon and system support priorities and funding availability. Automating the flow of technical information will provide faster and higher quality maintenance and operating procedures for the Air Force. AFTOMS will have a substantial impact on the annual multi-billion dollar process of creating, deploying, and managing T.O.s by providing better management of T.O.s, superior review documentation, improved communications, and greater efficiency among production and maintenance personnel.

Item: Reliability and Maintainability Info System (REMIS)

Obligations:

1990	1991	1992	1993	1994
7,326	17,904	11,197	9,422	9,702

Description: The Reliability and Maintainability Information System will provide current visibility of weapon system status and availability. What this means to Commanders and their Chiefs of Maintenance is that more effective SORTIES will be achievable. Planning for and achieving combat training is more timely. Parts distribution and application will be expedited. In terms of estimated airplanes available, a certified Economic Analysis (EA) and a separate independent study shows that a minimum of 37 additional aircraft will be made available each year because of this benefit.

Item: Core Automated Maintenance System (CAMS)

Obligations:

1990	1991	1992	1993	1994
18,481	21,905	7,699	1,940	1,940

Description: CAMS is an Air Staff directed project to improve management and utilization of maintenance resources by enhancing and standardizing the flow and availability of ADP logistics information for all base-level aircraft, ground launched cruise missiles, munitions, etc.

Item: Combat Ammunition System (CAS)

Obligations:

1990	1991	1992	1993	1994
24,286	25,063	22,423	21,195	25,713

Description: The Combat Ammunition System provides unit, component, and unified and specified commanders with command and control (C2) over the munitions stockpile for decision action at their levels of responsibility, integrating munitions stocks, personnel, and material handling equipment into an entity with which combat sorties are generated. System capabilities will be used to structure coherent operational planning scenarios for off-base support, delivery of munitions to storage areas, movement of components to build-up locations and final delivery of complete round assets to the flight line properly configured to meet mission objectives, freeing munitions personnel for more critical, time sensitive activity associated with direct combat support.

Item: Enhanced SORTS Capability Assessment Module (ESCAM)

Obligations:

1990	1991	1992	1993	1994
14,432	7,695	7,888	7,951	8,134

Description: ESCAM is a decision support system for combat capability assessment (force readiness and sustainability) at three levels of command: HQ USAF, MAJCOM, and Wing. It will answer a congressional mandate to produce an automated system to link dollars to force readiness.

Civil Engineering

Item: Purchased maintenance of Air Force owned ADP equipment

Obligations:

1990	1991	1992	1993	1994
1,308	1,343	1,378	1,409	1,434

Description: Provides funding for maintenance and contract services in support of the WIMS at 18 Tac bases. This system provides a central point for information regarding training; personnel actions; military family housing management and assignments; administrative management of squadron activities; fire protection operations; work processing and control to include tracking, material processing, job estimating, scheduling and labor reporting; engineering and contract management to include work processing, tracking, and long range requirements generation, design scheduling, and contract management; base comprehensive planning; natural resources planning and management; and environmental impact analysis. (TAC)

Item: Engineering & Installation Information Systems

Obligations:

1990	1991	1992	1993	1994
1,991	2,171	2,161	2,171	2,282

Description: Funding provides for new and replacement equipment items in direct support of the Engineering and Installation mission. Requirements include maintenance of Automated Graphics systems and the Honeywell Level 6 computer supporting Engineering and Installation Division's MAJCOM E&I Management System (EIMS) and software support for the redesign effort of the Comm-Electronics Scheme Accounting and Control System (CESAC). (AFCC)

Item: JDS Maintenance

Obligations:

1990	1991	1992	1993	1994
1,522	1,754	1,796	1,858	1,933

Description: Honeywell computer systems hardware maintenance required to support the WWMCCS and the JDS. (USTRANSCOM)

Item: Replacement Computer, software development and hardware maintenance of Pacific Command & Control Systems.

Obligations:

1990	1991	1992	1993	1994
11,871	3,780	4,256	3,731	4,179

Description: Equipment upgrades for OIA in Japan, Korea & upgrade of the Wallace AFS, RP radar; purchase ADPE for AFC2S and Wing Command & Control; programming/systems support & hardware maintenance for WWMCCS. (PACAF)

Item: Hardware Maintenance for Honeywell Mainframe Computers and Associated Peripherals Supporting CSS, CPS, WWMCCS in CMC

Obligations:

1990	1991	1992	1993	1994
2,590	2,720	2,850	3,000	3,140

Description: Hardware maintenance for Honeywell - Nodes 1,2,3 of the Core Processing System, CSS strings A & B, WIN host (AFSPACECOM)

Item: Hardware/Software Maintenance for SPADOC 4 Computers and Associated Peripherals. Includes Licensing Fees for Hardware and Software

Obligations:

1990	1991	1992	1993	1994
9,750	10,800	11,500	12,300	13,600

Description: Provides all SPADOC 4 hardware and software O&M plus on-crew System Program Analysts and Database Administrators. (AFSPACECOM)

Item: Mobile Command and Control System Software Development

Obligations:

1990	1991	1992	1993	1994
2,200	2,200	2,200	2,200	2,200

Description: Supports the Mission Support segment of MCCS software development effort. MSS is the in-house software development program which automates the ITW&A and battle staff functions currently performed manually by the RAPIER team.

Item: Warning Systems Software Support

Obligations:

1990	1991	1992	1993	1994
3,700	3,700	--	500	1,800

Description: Provides software maintenance and modification on portions of the CMAFB Warning systems. Included are the NORAD Computer System (NCS), NCS ancillary systems software, Mission Essential Backup (MEBU), Warning Display Terminals, European Terminal software, etc. Includes capability for software engineering for related CMAFB systems. (AFSPACECOM)

Item: Miscellaneous Contract Services

Obligations:

1990	1991	1992	1993	1994
3,345	3,345	3,345	3,345	3,345

Description: Provides for miscellaneous contract services. Includes funds to de-install, relocate, and re-install the VAX 8700 Minicomputer System in the WWMCCS Computer Facility. Also, provides funds for renewal of annual membership to the Honeywell Large System User Association, and renewal of annual membership to the National Systems Programmers Association. (USSOC)

Item: Initial Computer Support for the Electronic Information and Control System for the Mission Readiness of the Air Force

Obligations:

1990	1991	1992	1993	1994
3,488	3,201	3,244	3,272	3,116

Description: Purchase of ADPE, leased communications service, maintenance, and systems analysis and programming required to support the primary command and control system for tactical management of NATO Central Region offensive air resources (Siemans 7580I mainframe) (USAFE)

Item: Initial Computer Support for USAFE Command and Control Systems--Communication Support Processor/Modular architecture for Exchange of Information (CSP/MAXI), USAFE WWMCCS Information System (UWIS), and the Wing Command and Control System (WCCS)

Obligations:

1990	1991	1992	1993	1994
6,004	6,159	10,942	8,080	8,658

Description: Funds operation, maintenance, and modernization of USAFE Unique command and control (C2) systems. These costs are associated with the CSP/MAXI message handling system in the operation support center, WCCS implementation and maintenance, WWMCCS extension to the main operating bases (USAFE Net), and USAFE's portion of UWIS. (USAFE)

Item: Initial Computer Support for Worldwide Military Command and Control System (WWMCCS)

Obligations:

1990	1991	1992	1993	1994
1,330	1,558	1,556	1,730	1,823

Description: WWMCCS provides a worldwide means of communication, joint planning, and mission execution monitoring for the JCS services and commanders at various levels. Funds provide for maintenance and contract operations. (USAFE)

Item: Computer Support

Obligations:

1990	1991	1992	1993	1994
1,543	1,696	1,756	1,808	1,873

Description: Provides funding for hardware and software maintenance in support of the DSP-8 computer systems. Also includes funding for system operators. This system allows TAC to develop, update, and maintain the numerous war plans required to ensure TACs able to react to real-world contingencies and crisis. (TAC)

Item: Engineering & Installation

Obligations:

1990	1991	1992	1993	1994
3,300	3,300	3,300	3,300	3,300

Description: Contract to provide engineering and installation for Communications-Computer Systems, Communications Centers, and facilities in support of the ESC mission. (ESC)

Item: CMAFB Software Support

Obligations:

1990	1991	1992	1993	1994
7,560	8,300	6,020	7,020	6,500

Description: Provides software maintenance, modification, system testing, and network management for the Space Surveillance Center, Astrodynamics Center, and the Communications System Segment. (AFSPACECOM)

Communications

Item: Base Telecommunications Centers

Obligations:

1990	1991	1992	1993	1994
8,334	8,154	7,805	10,802	14,042

Description: The Base Telecommunications Center Program provides resources for continued operation and maintenance of the base communication center's equipment. It includes funds for maintenance and software support and also provides for planned upgrade/replacement of equipment that is becoming too expensive to support. (AFCC)

Item: Communications Link Interface System

Obligations:

1990	1991	1992	1993	1994
332	2,270	--	--	--

Description: Provides for Communications Link Interface Planning System. Costs cover maintenance for the systems and major changes. (USSOC)

Financial

Item: Joint Uniform Military Pay System (JUMPS)

Obligations:

1990	1991	1992	1993	1994
5,119	5,214	5,147	5,147	5,147

Description: Improves military pay operations and maintenance of pay accounts for all active duty members. Integration of pay, allowances, entitlements, deductions, and leave data. Direct deposit program (SURE-PAY) to financial organizations. Worldwide data collection system to determine status of recently input transactions, and process inquires against pay records. Computation of members separation pay at port separation centers providing "pay-as-you-wait" service. Accountability for all pay items, computation and collection of federal insurance contributions (FICA), federal income tax withholding (FTTW) and when applicable, state income tax withholding. (AFAFC)

Item: Automated Base-level Comptroller Functions

Obligations:

1990	1991	1992	1993	1994
2,840	2,907	2,907	2,907	2,907

Description: Standardization of base-level accounting and finance, budget, and cost activities. Initial systems being implemented at AFOs are: Commissary Accounts Payable, Material Accounts Payable, Commercial Services Accounts Payable, Integrated Paying and Collecting, Accounts Receivable, and Base Budget Accounting. Linkage to Phase IV mainframe will allow interfaces with Air Force Commissary Service, Base Contracting Offices, Base Data Processing Installation, Base Supply, Medical Services, Base Civil Engineer, and other functions as deemed necessary. (AFAFC)

Item: Comptroller Resource Requirement (CRR) for Base Level Accounting and Reporting System (BLARS)

Obligations:

1990	1991	1992	1993	1994
1,000	4,700	4,500	4,600	4,900

Description: Purchase of ADPE, initial design efforts, prototyping, system and data base design, system testing and worldwide implementation at prototype bases. BLARS will provide a timely and responsive financial information system to base-level managers, modernize the Base Level General Accounting System, optimize use of the Sperry (UNISYS) equipment, provide improved interrelationships between comptroller and non-comptroller systems, correct accounting system compliance deficiencies, and provide timely, accurate and responsive financial accounting information to managers at all levels of command. The resulting system will replace, modify, integrate, or interface with existing accounting and financial systems at base level. It will also capture required information for systems which reside at command or HQ USAF level. (AFAFC)

Item: Replaces existing decentralized civilian pay system.

Obligations:

1990	1991	1992	1993	1994
5,924	6,179	3,929	--	--

Description: Modernize the existing base-level Air Force Civilian Pay System with a two-phased approach. Phase I - enhance (upgrade) the existing base-level pay system in 1989. Phase II - design and implement a centralized civilian pay system at AFAFC for all Air Force civilian employees beginning in 1990 with completion in 1991. Use of data entry equipment to enter data (transactions) and process inquires against pay records. Distribution of leave and earnings statements and preprinted time and attendance forms. Accountability for all pay items, computation and collection of Medicare, federal income tax withholding (FITW), and state income tax. (AFAFC)

Item: Comptroller Office of the Future (COOF) Program

Obligations:

1990	1991	1992	1993	1994
4,787	--	--	--	--

Description: COOF will increase productivity in base-level comptroller offices by automating labor-intensive processes. (AFCC)

Intelligence

Item: AFOSI Global Computer Network

Obligations:

1990	1991	1992	1993	1994
3,422	909	478	415	524

Description: A four-phase program to create a worldwide data network for the rapid exchange of investigative, counterintelligence, and administrative information between AFOSI locations. Phase One consisted of the acquisition of stand-alone microcomputers for use throughout AFOSI. Phase Two is the acquisition of minicomputers for HQ AFOSI and 15 AFOSI district headquarters. We are starting work on Phase Three, which will connect HQ AFOSI minicomputers with the limited secure communications capability for unclassified/sensitive information. Phase Four will transition this network to a secured system in and beyond the FY92 timeframe, enabling AFOSI units to exchange classified as well as unclassified information. (AFOSI)

Item: Initial Computer Support for the Intra-Theater Intelligence Communications Network (IINCOMNET)

Obligations:

1990	1991	1992	1993	1994
2,303	3,346	2,337	2,337	2,393

Description: Provides funding for maintenance and contract operation of IINCOMNET. IINCOMNET is a phased program to develop and field systems supporting the flow of information among intelligence collectors and processing centers, intelligence fusion centers, and operational units which utilize European theater intelligence information. (USAFE)

Item: Purchased maintenance of Air Force owned ADP equipment

Obligations:

1990	1991	1992	1993	1994
3,139	3,394	3,911	3,244	3,534

Description: Provides funding for software and hardware maintenance in support of the Tactical Information Processing and Interpretation System (TIPI)/Imagery Interpretation (TIPI/II), Enemy Situation Correlation Element (LENSCE/ENSCE). These systems support the Tactical Air Forces (TAF) TAF Commander, provide near-real-time information on the enemy, and predicts his near-time actions; thus aiding the TAF Commander with battle management/execution decisions. (TAC)

Item: Hardware Maintenance service contract for Tactical Air Intelligence Systems in the Pacific.

Obligations:

1990	1991	1992	1993	1994
1,288	1,474	982	1,042	1,115

Description: Maintenance of government owned ADPE in support of the Korean Air Intelligence System. (PACAF)

Logistics

Item: Air Force Equipment Management System (AFEMS)

Obligations:

1990	1991	1992	1993	1994
30,581	10,831	9,211	7,531	4,342

Description: Acquisition for a single data system that replaces ten existing batch processed equipment data bases and provide HQ USAF, the Major Commands (MAJCOMs), and the Air Logistics Centers (ALCs) an on-line replacement for AFEMS. This acquisition includes dedicated hardware (to include communication lines and crypto), data base management system software, and application software to support equipment management processes/functions. (AFLC)

Multiple Functions

Item: Purchased maintenance of Air Force owned ADP equipment

Obligations:

1990	1991	1992	1993	1994
12,740	15,750	16,268	17,811	18,715

Description: Provides funding for automated systems used in support of base operating. These systems include maintenance for Combat Supply System (CSS); Base Contracting Automated System (BCAS); Core Automated Maintenance System (CAMS); Tape Certifier/Degausser; Service Information Management System (SIMS); Air Force Civilian Automated Pay System (AFCAPS); PMEL Automated Maintenance System (PAMS); Host Autodin Message System (HAMPS); Base Automated Service Store (BASS); Combat Supply System (CSS); Phase IV upgrades; Phase IV lease with option to purchase. (TAC)

Item: This represents the Air National Guard's base level Program

Obligations:

1990	1991	1992	1993	1994
7,845	6,828	6,974	8,513	8,782

Description: These resources are for upgrades and replacement of 91 Unisys System 11 computers Guard wide, in addition to purchasing one additional System 11 to support a newly activated Guard unit in Alaska. The upgrades are required to support planned Guard growth and overall base level computer- communications system architecture involving many current and planned Air Force standard systems, including modernization of CAMS, SBSS, PAMS, FAMS, CAS-B, PC-III, AFSCAPS, BCAS, and LAN. (ANG)

Item: USAF Base Level Data Automation Program Phase

Obligations:

1990	1991	1992	1993	1994
3,631	3,631	3,631	3,631	3,631

Description: Phase IV equipment which consists of a configuration of a Sperry 1100/60 at each ATC base as identified by HQ SSC. (ATC)

Item: Maintenance of Government owned equipment and a teleprocessing services contract.

Obligations:

1990	1991	1992	1993	1994
1,680	1,680	1,680	1,680	1,680

Description: This item represents both maintenance on Headquarter's owned Honeywell equipment, WANG equipment, and an existing time- sharing contract with a private vendor. The equipment provides all ANG Headquarters mainframe computer support. This includes AF standard and Guard unique systems. (ANG)

Item: Initial Computer Support for the Standard Base Level Computers (SBLC)

Obligations:

1990	1991	1992	1993	1994
1,649	2,662	2,230	6,199	6,718

Description: SBLC system support covers all costs associated with continued daily operations of SBLC systems at our main operating locations. These computers process all the AF Standard Automated Data Systems (ADS) software in support of all major base activities which include supply, accounting and finance, transportation, aircraft operations and maintenance, civil engineering, civilian and military personnel, and medical supply. Costs include maintenance of the mainframe and peripherals, transportable shelter systems, Command Budget Automated System (CBAS), and Precision Equipment Measurement Laboratory Automated Management Subsystem (PAMS). (USAFE)

Item: Base Operations for all Base level Computer-Communications Systems, Leased Systems, Maintenance of ADPE, Non-SF ADPE Expenses

Obligations:

1990	1991	1992	1993	1994
1,122	1,074	1,053	1,033	1,160

Description: ADPE rental of leased equipment, ADPE purchase of equipment, ADPE maintenance of equipment with response time of 2 hours, Expense/Investment cost, site preparation, to support the Base Operations functions. (AAC)

Item: Digital Equipment Corporation (DEC) computer systems maintenance services

Obligations:

1990	1991	1992	1993	1994
--	2,000	2,000	2,000	2,000

Description: Command wide contract for maintenance of Digital Equipment Corp computer systems. (AFSC)

Item: ORACLE Software Services

Obligations:

1990	1991	1992	1993	1994
3,720	3,720	3,720	3,720	3,720

Description: Command wide contract for the acquisition of licenses and technical services for the ORACLE database management system software. (AFSC)

Item: Base Level Systems Upgrades (Enhancements)

Obligations:

1990	1991	1992	1993	1994
9,928	550	15,474	17,706	8,078

Description: This program supports previously forecasted upgrades to central processing units (CPUs), memory, mass storage, etc., which haven't been ordered or installed on the Phase IV hardware. Funding also supports workload growth, projected growth, and requirements in support of the SC4 Model Base program. (AFCC)

Personnel

Item: Operations and Maintenance (O&M) Support for the Worldwide PDS Through the Honeywell REACQ Contract

Obligations:	1990	1991	1992	1993	1994
	6,106	7,126	7,257	7,301	7,356

Description: Purchase of hardware, software, maintenance, and services for the Personnel Data System (PDS) which is supported by a network of Honeywell mainframe computers, minicomputers, communications interface processors, and peripherals used by the active Air Force, Air National Guard, Air Force Reserve, and civilian personnel at HQ AFMPC, Air Staff, major commands, and separate operating agencies. (AFMPC)

Item: Computer Replacement Via the Personnel Data System 90 (PDS-90) Initiative for PDS-MAJCOM Systems Currently Supported Through Honeywell REACQ.

Obligations:	1990	1991	1992	1993	1994
	1,916	2,801	2,491	933	1,033

Description: Purchase of hardware, software, and maintenance from the Standard Multiuser Small Computer Requirements Contract (SMSCRC) of a classified processing system at HQ AFMPC and six large minicomputers, fourteen (14) medium-sized minicomputers and one (1) small minicomputer for support at major commands/separate operating agencies worldwide. (AFMPC)

Item: Computer Replacement Via the Personnel Data System 90 (PDS-90) Initiative of Five Mainframe Computers Currently Supported Through Honeywell REACQ

Obligations:	1990	1991	1992	1993	1994
	--	2,601	4,584	8,027	17,604

Description: Purchase of hardware, software and maintenance to support a classified system, a tape archival system, and replacement of our aging and saturated five mainframes that support the Personnel Data System. These new mainframes will be competitively acquired. (AFMPC)

Item: Operations and Maintenance (O&M) Support for Personnel Concept III (PC-III)

Obligations:	1990	1991	1992	1993	1994
	--	--	--	--	11,437

Description: Purchase of maintenance from the Standard Multiuser Small Computer Requirements Contract (SMSCRC) for systems being installed worldwide at all Air Force bases to support PC- III. Previous to FY94, PC-III is identified as a separate Major Automated Information System (ADPS 13, MPI 901) capability. It becomes fully operational in FY94 and thus moves under the Personnel Data System (PDS) (ADPS 13) as a standard subsystem. (AFMPC)

Tactical

Item: Computer Support

Obligations:

1990	1991	1992	1993	1994
1,581	1,502	1,626	1,712	1,856

Description: Provides funding in support of the United States Air Force Air Defense Weapons Center. Requirements include maintenance and contract services in support of the Range Support Facility (RSF), Range Control System (RCS), and the Gulf Range Drone Control Upgrade System (GRDCUS). Equipment consists of 8 VAX 780 processors and 2 VAX 750 processors. (TAC)

Item: Computer Support

Obligations:

1990	1991	1992	1993	1994
2,078	2,566	2,059	1,515	2,014

Description: Funding is to contract ADP services and maintenance for the MAJCOM Command Control System. (TAC)

Item: Computer Support

Obligations:

1990	1991	1992	1993	1994
2,361	2,170	2,238	2,286	2,341

Description: Provides funding for hardware and software utilized by the Tinker AFB Software Support Facility and three Deployable AWACS Computer Support System (DACSS) vans. Also provides Boeing Aircraft software support of the Joint Tactical Information Distribution System (JTIDS). These funds provide for the operational test, evaluation, and maintenance of the software required for the integration of the Tactical Information Data Link (TADIL-J) standard message format for the E3 and the establishment of a JTIDS software support facility at the 1912 CGSP. (TAC)

Item: Purchased maintenance of Air Force owned ADP equipment

Obligations:

1990	1991	1992	1993	1994
3,354	3,417	3,513	3,588	3,671

Description: Provides funding for the Red Flag Measurement and Debriefing System (RFMDS). The RFMDS is a system developed by Cubic Corporation to provide the necessary management, administrative, and engineering support. (TAC)

Item: Computer Support

Obligations:

1990	1991	1992	1993	1994
2,400	2,900	900	900	900

Description: Provides funding to procurement of hardware and software for fighter mission planning support systems. These systems aid TAC missions in selecting the most effective minimum risk route through a hostile environment, saving valuable on-ground planning time, and providing shorter sortie turn-around times. (TAC)

Item: Purchased maintenance of Air Force owned ADP equipment

Obligations:

1990	1991	1992	1993	1994
2,855	2,973	3,110	3,228	3,374

Description: Provides funding for support of the Tactical Air Warfare Center (TAWC) and Tactical Fighter Weapons Center (TFWC). Includes contractual services for hardware maintenance, software development/analysis, and software programming to develop additional and modify/update existing software to enhance the capabilities and employment of tactical and fighter weapon systems. (TAC)

Item: Software Development and hardware maintenance of Overseas Air Weapons Control Systems.

Obligations:

1990	1991	1992	1993	1994
6,509	6,563	6,371	6,637	7,114

Description: ADPE contractor software development/maintenance and maintenance of government owned ADPE for the Tactical Air Control System (TACS) in the Pacific. (PACAF)

Item: Operations & Maintenance

Obligations:

1990	1991	1992	1993	1994
4,160	4,700	4,700	4,700	4,700

Description: Wang Contract to provide software and maintenance support to ESC Computer Systems, Communications Centers, and facilities worldwide. (ESC)

Training

Item: Air Force Minicomputer Multi-User System (AMMUS)

Obligations:

1990	1991	1992	1993	1994
1,434	1,434	1,434	1,434	1,434

Description: Each AMMUS will consist of a configuration of minicomputers, terminals and peripherals connected to form a totally integrated system, to be located worldwide. (ATC)

Item: Basic Monthly Maintenance on CT Equipment

Obligations:

1990	1991	1992	1993	1994
1,539	1,539	1,539	1,539	1,539

Description: Basic Monthly Maintenance to support the ATC multi-user microcomputer equipment at ATC bases. (ATC)

Item: Advance Training System (ATC)

Obligations:

1990	1991	1992	1993	1994
--	8,200	8,500	9,400	9,600

Description: The system will be capable of automating and integrating all functions of a Technical Training Wing. To include training development, training delivery, training management, computer based instruction, and computer aided instruction. (ATC)

Item: Large Computing Capability for the Air Force Institute of Technology (AFIT)

Obligations:

1990	1991	1992	1993	1994
2,639	2,285	2,880	3,604	--

Description: Purchase of communications-computer equipment, maintenance, software and contract services to meet AFIT's computational requirements into the mid 1990's. This system will consist of several computers working together to provide educational computer support for AFIT. It will provide central computing resources in support of all student, faculty, and staff applications except office automation, micro applications, specialized laboratory processing and those requiring very large computing power satisfied only by super-computer class machines (i.e., CRAY) that will allow AFIT to maintain the highest quality graduate and doctoral education. (AUN)

Item: Command Readiness Exercise System (CRES): Air Force Wargaming Center (AFWC)

Obligations:

1990	1991	1992	1993	1994
1,777	1,837	1,574	1,549	1,864

Description: Purchase of ADPE, maintenance, and contractor support services to support the AFWC and related missions of CRES, Maxwell AFB, AL. (AUN)

Transportation

Item: Cargo Movement Operations System (CMOS)

Obligations:

1990	1991	1992	1993	1994
7,785	4,624	5,595	6,781	7,063

Description: CMOS is a DOD-directed project to develop and maintain a standard Air Force world-wide, automated base-level transportation cargo movement system. The system, to be developed in three increments, will today's virtually manual, labor-intensive, and nonresponsive environment. Funding also includes support of the Transportation Information Library (TIL) System. (AFCC)

Weather

Item: Automated Digital Weather Switch (ADWS)

Obligations:

1990	1991	1992	1993	1994
3,515	3,736	3,842	3,931	4,042

Description: The Automatic Digital Weather Switches (ADWSs) provide rapid relay, collection, and dissemination of weather data for the Automated Weather Network (AWN). Three sites provide worldwide service. The switch located at Carswell AFB TX services the CONUS and is the heart of the AWN. The switch at Hickam AFB HI services the Pacific theater, and the switch at RAF Croughton UK the European theater. The ADWS Upgrade program will replace obsolete, logistically unsupportable hardware at all three ADWS sites and provide expanded capacity and enhanced capability for processing and dissemination of alphanumeric weather data. (AFCC)

Item: Joint Operational Climatological Support at USAFETAC and USAFETAC, OL-A

Obligations:

1990	1991	1992	1993	1994
469	793	1,808	1,857	3,131

Description: ADPE contractor consultant support, systems analysts support, and off-the-shelf software license fees at USAFETAC (Scott AFB IL) and USAFETAC, OL-A (Asheville NC) to support increased DOD operational requirements and increased weapons systems development requirement for expanded environmental data and climatological decision aids. (MAC)

Item: Software Improvement at the Air Force Global Weather Central (AFGWC) and subordinate units

Obligations:

1990	1991	1992	1993	1994
1,292	1,844	3,671	4,030	4,734

Description: This program provides contractor assistance and acquires off-the-shelf software and hardware required to develop and perform configuration management and to implement the GAO mandated and HQ USAF-directed AFGWC Software Improvement Program (ASIP) at AFGWC and at information processing centers subordinate to AFGWC-USAFETAC, Scott AFB IL and USAFETAC/OL-A Asheville NC. (MAC)

Item: Upgrade and relocate the Space Environmental Support function to the Space Forecast Center

Obligations:

1990	1991	1992	1993	1994
786	1,029	1,254	1,327	1,389

Description: This program acquires hardware maintenance, off-the-shelf software conversion and redesign to consolidate, upgrade, and relocate the Space Environmental Support function from the Air Force Global Weather Central to the Space Forecast Center at Falcon AFS CO. (MAC)

Item: Air Force Advanced Computer Flight Plan System at the Air Force Global Weather Central

Obligations:

1990	1991	1992	1993	1994
2,653	2,654	1,342	1,375	1,407

Description: Hardware maintenance for three minicomputers, off-the-shelf software license fees, and contractor assistance during the software development life-cycle to implement the ACFP System at the AFGWC, Offutt AFB NE. (MAC)

Item: Computer replacement of two Sperry 1100/82 computers at the Air Force Global Weather Central (AFGWC)

Obligations:

1990	1991	1992	1993	1994
1,250	2,489	1,413	1,451	1,492

Description: Hardware maintenance, off-the-shelf software license fees, vendor systems analysts, and contractor assistance for capacity planning specification development, operating system conversion to support the replacement of two Sperry 1100/82 computers at AFGWC. The replacement computers are required to process additional meteorological data from new sources and to support increased operational requirements at the AFGWC, Offutt AFB NE. (MAC)

DEPARTMENT OF DEFENSE–ARMY

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Army Corps of Engineers

Item: Corps of Engineers Automation Plan

Obligations:	1990	1991	1992	1993	1994	1995
	25,000	*	*	0	0	0

Description: Competitively replace currently installed general purpose hardware with an integrated system of computers, communications, software, and support services.

*Further use of civil Works capital investment funds are predicated upon approval of the Assistant Secretary of the Army (Civil Works) and appropriate congressional committees.

Item: Computer Aided Design and Drafting (CADD)

Obligations:	1990	1991	1992	1993	1994	1995
	3,126	3,162	2,277	2,653	2,044	1,842

Description: Rental, purchase, site preparation, software, training and maintenance costs associated with the acquisition of the CADD system.

Item: Teleprocessing Service, Contracts

Obligations:	1990	1991	1992	1993	1994	1995
	1,115	1,153	703	85	85	85

Description: Required to provide data transcription services and other teleprocessing services including Amdahl and Honeywell, up to January 1992, and Control Data Corporation to process Corps-wide applications.

Item: Telecommunication

Obligations:	1990	1991	1992	1993	1994	1995
	4,179	6,426	6,839	6,754	5,822	4,927

Description: Communication networks such as microwave systems, VHF radio networks and CCTV; continue to provide vital services for meeting the needs of information, remote control, safety and efficiency of maintenance and operations of Corps facilities. Equipment required to increase communication capabilities between bases and remote sites.

Item: Microcomputers/Mainframes

	1990	1991	1992	1993	1994	1995
Obligations:	873	916	2,137	2,197	2,112	1,963

Description: Replacement, augmentation, and purchase of Microcomputer equipment and laser equipment.

AIS # 107 Military Pay Redesign-Joint Service Software (MPR-JSS)

Item: Hardware Purchase

	1989	1990	1991	1992	1993	1994
Obligations:	0	13,690	1,600	0	0	0

Description: Procure a mainframe and peripheral equipment at the U.S. Army Finance and Accounting Center to support MPR-JSS. Contractor to be determined.

AIS # 046 Standard Finance System - Redesign (STANFINS-R)

Item: Contractual Support Services

	1989	1990	1991	1992	1993	1994
Obligations:	0	3,647	3,000	0	0	0

Description: Funds are required for contractor support during deployment of Standard Finance System--Redesign (SRD) Phase II. Personnel are required at each deployment site for training, file conversion, and assistance. Contractor to be determined.

Item: Contractual Support Services

	1989	1990	1991	1992	1993	1994
Obligations:	4,900	3,000	0	0	0	0

Description: Funds are required for contractor support for deployment of SRD I. Services required are site surveys, training, site readiness, equipment installation, updating site plans, and planning of installation support. The contractor is Electronic Data Systems (EDS).

Item: Contractual Support Services

Obligations:

1989	1990	1991	1992	1993	1994
2,400	3,799	0	0	0	0

Description: These funds are required for contractor support to move the processes of SRD I from the Regional Data Center (RDC) to the installation level, freeing up memory for SRD II and STARCIPS Redesign. Tiering is required because RDCs do not have memory capability for SRD I, SRD II, and STARCIPS Redesign. The contractor is Computer Science Corporation.

Item: Software Maintenance

Obligations:

1989	1990	1991	1992	1993	1994
0	3,200	1,830	0	0	0

Description: Funds are required for contractor service to maintain the redesigned financial system for continuance of operations in the financial offices throughout the deployed sites. Software maintenance support will provide for regulatory and/or statutory changes. The contractor is Computer Science Corporation.

AIS # 129 Computer Aided Acquisition and Logistic Support (CALS)

Item: ADP Related Services

Obligations:

1989	1990	1991	1992	1993	1994
2,000	2,053	1,756	0	0	0

Description: Provide Program Management, technical, logistic and engineering support to PM CALS. Final option year of current contract with Systems Resources Corporation expires at end of FY 90. Support tasks include MAISRC Documentation; program management, and logistics documentation support; life-cycle cost estimates and studies; security and site survey support; briefings; and reports and evaluation support. Contractor in FY 91 to be determined.

Item: System Development and Fielding

Obligations:

1989	1990	1991	1992	1993	1994
0	2,000	11,762	0	0	0

Description: Development and fielding of system to rapidly increase capabilities to receive, distribute and use logistic technical information in digital form. A projected Phase 2 (Concept, Demonstration, Contract Option 1) effort will be done by up to two of the four Phase 1 contractors for demonstration of selected CALS applications and system features showing interoperability on two diverse suites of hardware at the contractors' facilities. This will be a twelve month effort. Phase 3 (System Development, Contract Option 2), a projected twenty four month effort will be awarded to one of the Phase 2 contractors for development and implementation of the CALS Basic Capability Module (BCM) to five sites along with a System Operational and Support Capability (SOSC). Following System Acceptance, Phase 4 (System Fielding, Contract Option

3) will be awarded to the Phase 3 contractor to deploy CALS to 51 additional worldwide Army sites. Phase 4 is projected to last a total of ten years divided into two sub-phases; five years for fielding and start up maintenance and five full years of maintenance to include preplanned product improvements and normal upgrades. When fully fielded, CALS will allow the Army to process and maintain weapon system logistic technical information in digital form resulting in a vast reduction in paper documentation associated with a weapon system.

AIS # 093 Department of the Army Movements Management System - Redesign (DAMMS-R)

Item: Contractor Provided Software Support

Obligations:

1989	1990	1991	1992	1993	1994
3,307	2,420	2,978	0	0	0

Description: Contractor support to develop detailed functional description of required DAMMS-R system processes, provide functional training to system users, assist in DAMMS-R system deployment, and provide limited functional maintenance of system and customer assistance. DAMMS-R is being developed as a logistics Combat Support/Combat Service Support (CS/CSS) Standard Army Management Information System (STAMIS) at the division, separate brigade, corps, and theater levels. This effort is being accomplished through an existingcontract with International Business Systems, Inc., a COMARCO company. The cost plus fixed fee contract was awarded in FY 84.

AIS # 011 Integrated Procurement System (IPS)

Item: Contractor Provided Software Support

Obligations:

1989	1990	1991	1992	1993	1994
350	4,801	2,300	0	0	0

Description: Contract will support the design and development of IPS applications software. Contract was awarded to AMS Corporation in FY 89.

Item: Hardware/Operating System Software Purchase

Obligations:

1989	1990	1991	1992	1993	1994
5,189	1,700	2,293	0	0	0

Description: Procures UNISYS 5000 minicomputers, associated peripheral devices, and operating system software from UNISYS Corporation from existing Armywide Requirements Type Contract (RTC). FY 91 purchases complete IPS hardware baseline.

AIS # 091 Standard Army Maintenance System (SAMS)

Item: Contractor Provided Software Support

Obligations:

1989	1990	1991	1992	1993	1994
3,427	1,617	2,481	0	0	0

Description: Contractor support to develop detailed functional description of required SAMS system processes, provide funtional training to system end users, assist in SAMS system deployment, and provide limited functional maintenance of system and customer assistance. SAMS is being developed as a logistics Combat Support/Combat Service Support (CS/CSS) Standard Army Management Information System (STAMIS) at the division, separate brigade, corps, and theater levels. This effort is being accomplished through use of an existing contract with International Business Systems, Inc., a COMARCO company. The cost plus fixed fee contract was awarded in FY 84.

AIS # 090 Standard Army Retail Supply System (SARSS)

Item: Contractor Provided Software Support

Obligations:

1989	1990	1991	1992	1993	1994
3,902	3,819	4,345	0	0	0

Description: Contractor support to functionally develop, deploy, and provide limited maintenance of software is being procured from Synoptics Systems Corporation. This software will become part of a logistics Combat Support/Combat Service Support (CS/CSS) Standard Army Management Information System (STAMIS) at the division, separate brigade, corps, and theater levels. The cost plus fixed fee contract was awarded in Sep 87.

Item: Contractor Provided Software Support

Obligations:

1989	1990	1991	1992	1993	1994
1,920	5,777	4,752	0	0	0

Description: Contractor support to technically develop, deploy, and provide limited maintenance of software is being procured from Computer Sciences Corporation. This software will become part of a logistics Combat Support/Combat Service Support (CS/CSS) Standard Army Management Information System (STAMIS) at the division, separate brigade, corps, and theater levels. The cost plus award fee contract was awarded in FY 88.

AIS # 150 Strategic Logistic Program (SLP)

Item: Functional Analysis

Obligations:

1989	1990	1991	1992	1993	1994
0	3,500	8,000	0	0	0

Description: Contractor will examine current/emerging processes throughout all logistics functions and provide rationales for streamlining, reducing, eliminating, or enhancing of these processes. Contractor to be determined.

Item: Functional Description

Obligations:

1989	1990	1991	1992	1993	1994
0	20,400	23,000	0	0	0

Description: Extensive functional description development will describe functional and systemic requirements of SLP. The contractor will also document integration requirements for SLP with existing/ emerging logistics information systems. Contractor to be determined.

AIS # 058 Unit Level Logistics System (ULLS)

Item: Contractor Provided Software Support

Obligations:

1989	1990	1991	1992	1993	1994
2,924	2,551	3,044	0	0	0

Description: Develop detailed functional description of required ULLS system processes, develop and deploy ULLS software, provide functional training to system end users, and provide limited system maintenance and customer assistance. ULLS is being developed as a logistics Combat Support/Combat Service Support (CS/CSS) Standard Army Management Information System (STAMIS) at the battalion or company PLL level. This effort is being accomplished through use of an existing contract with International Business Systems, Inc., a COMARCO company. The cost plus fixed fee contract was awarded in FY 84.

AIS # 055 Theater Army Medical Management Information System (TAMMIS)

Item: Contractor System Support

Obligations:

1989	1990	1991	1992	1993	1994
2,175	2,196	2,169	0	0	0

Description: Designs and develops an integrated theater medical management system. Services include physical system design, training development, training, testing and implementation of software system to provide capability to manage and treat casualties and to manage medical assets within theater of operations. Contractor is UNISYS Corporation and will be recompeted in FY 93.

AIS # 061 Army WWMCCS Information System (AWIS)

Item: Architecture Design Contract

Obligations:	1989	1990	1991	1992	1993	1994
	2,651	3,700	4,651	0	0	0

Description: The purpose of this contract is to document the functional command and control requirements of the designated AWIS sites and to develop the high level supporting system architecture. It extends the AWIS architecture and provides for life cycle maintenance of the current baseline. The contractor is Systems Research and Applications, awarded in FY 83.

Item: Program Manager Support

Obligations:	1989	1990	1991	1992	1993	1994
	1,965	2,197	2,050	0	0	0

Description: This contract provides technical assistance services to the AWIS/CCS PMO in support of activities located at various sites in CONUS and OCONUS. This support is provided in the areas of project management, site transition and implementation planning, configuration management, cost analysis and budget formulation, and conference management. These projects primarily deal with design, construction, and modernization of command and control facilities. The contractor is Technology Applications Inc. This contract will be recompeted in FY 90.

Item: Engineering Support

Obligations:	1989	1990	1991	1992	1993	1994
	1,821	2,004	1,800	0	0	0

Description: This contract provides task engineering and acquisition support to the AWIS Project Management Office. Support areas include programmatic and integration support, development of Project Master Plan, transition planning and analysis, software development planning, communications planning, transportable planning, and architecture analysis. The contractor is MITRE, a Federal Contract Research Center.

Item: Verification and Validation Support

Obligations:	1989	1990	1991	1992	1993	1994
	1,500	1,317	1,150	0	0	0

Description: This contract provides for Independent Verification and Validation (IV&V) of AWIS software development. This IV&V service is provided by Engineering and Economic Research, Inc., and their subcontractor SOFTECH. The IV&V is the final independent quality control on the new AWIS software prior to release to the Army supported WWMCCS sites.

Item: Software Development Contract

Obligations:

1989	1990	1991	1992	1993	1994
16,466	20,610	14,389	0	0	0

Description: The Software Development Contract is for the modernization of existing Army supported WWMCCS sites by redesigning, developing, integrating, testing and implementing strategic command and control software. It provides applications written in the Ada language. This software serves the National Command Authorities and key Army commanders for contingency planning in peacetime and to transition to crisis and war. The contractor is TRW Incorporated.

Item: Site Support Contract

Obligations:

1989	1990	1991	1992	1993	1994
3,468	2,586	4,370	0	0	0

Description: The Site Technical Support Contract provides all necessary personnel, materials, and management services required to perform an analysis of the specified site requirements and to develop and document a plan for the WWMCCS ADP Modernization Plan (WAMP) and AWIS hardware and software fielding transition. The contractor also reviews, analyzes, develops, and assists in the implementation of the transition at each respective site from a WWMCCS site to a WAMP/AWIS site environment. Contractor is Technology Applications, Inc. This contract will be recompeted in FY 91.

Item: PM Support Contract

Obligations:

1989	1990	1991	1992	1993	1994
1,384	265	2,450	0	0	0

Description: The Program Manager Technical Support Contract provides technical support services to the AWIS/CCS Project Management Office (PMO) in design, configuration management, transition planning, test and evaluation, and project management. The contractor augments the PMO staff to provide the necessary technical expertise to manage this complex project. The contractor is Technology Applications, Inc. This contract will be recompeted in FY 90.

Item: Local Area Networks (LAN)

Obligations:

1989	1990	1991	1992	1993	1994
5,227	2,850	1,500	0	0	0

Description: Local Area Network (LAN) is a commercial off the shelf (COTS) product that provides high capacity, processor controlled, distributed communications. It will support secure intrasite communications between devices located at an AWIS site, and will also provide secure intrasite communications between WIS sites over the WWMCCS Intercomputer Network Communications

Subsystem (WINCS). Both TRW Incorporated and Jet Propulsion Laboratories are doing the software configuration with final contractor to be determined.

Item: Common User Equipment

Obligations:

1989	1990	1991	1992	1993	1994
1,256	6,532	3,672	0	0	0

Description: This contract (workstations and printers) provides the AWIS users with the primary means of access to the Honeywell host computer and other host environments. The workstations will also provide processing capabilities required for JOPES interface and AWIS developed applications programs. Contract will be awarded in FY 90.

Item: Data Base Management Environment

Obligations:

1989	1990	1991	1992	1993	1994
2,554	6,788	7,500	0	0	0

Description: Data Base Management is a complete relational data base computing system. It is shared by multiple mainframe computers, systems or workstations running the same or different operation systems. Contractor support to reduce the need for replicated storage structures and multiple data base management systems. The contractor is Digital Equipment Corporation, awarded in FY 89.

Item: Command Center Upgrades

Obligations:

1989	1990	1991	1992	1993	1994
3,000	7,731	7,010	0	0	0

Description: The command center upgrade for EUCOM provides an integrated state-of-the-art hardware and software system that will include a Local Area Network (LAN), Automated Message Handler (AMH), Data Base Management Environment (DBME), and workstations. Contract will be awarded in FY 90.

AIS # 051 Supercomputer

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
27,273	0	0	0	0	0

Description: Funds procured a supercomputer system for the Corp of Engineers Waterways Experiment Station. The contractor is Cray Research, awarded in FY 89.

Item: Commercial Services

Obligations:

1989	1990	1991	1992	1993	1994
0	4,754	7,226	0	0	0

Description: Provides operations and maintenance for Army acquired advanced computing systems located at an Army sponsored university research center, the Army High Performance Computing Research Center (AHPCRC). Supports network management and control, and user support services which will be provided at the AHPCRC and select Army sites. User support services include technical consultation, training, and maintenance of hardcopy and on-line documentation. On-site user support services will be provided at two current and one planned Army supercomputer centers. Technical consultation will be performed at six remote Army sites. The contractor is the University of Minnesota, awarded in FY 89 for operations and maintenance of the AHPCRC which became operational in Oct 89.

AIS # 039 Project 80X Phase II

Item: Commercial Services

Obligations:

1989	1990	1991	1992	1993	1994
11,926	12,534	14,685	0	0	0

Description: Supports operations, training, maintenance, telecommunications and software conversion to move to an updated hardware baseline. Cost plus fixed fee contract was awarded to Electronic Data Systems, in FY 89. Contract is for one year with eight one year options.

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
8,129	1,746	5,924	0	0	0

Description: Provides automation equipment, required peripherals, software, and communication interfaces to upgrade or replace outdated equipment. Firm fixed price contract was awarded to Electronic Data Systems, in FY 89. Contract is for one year with eight one year options.

AIS # 042 Standard Installation/Division Personnel System 3 (SIDPERS-3)

Item: Contractual Systems Support

Obligations:

1989	1990	1991	1992	1993	1994
5,661	8,584	12,626	0	0	0

Description: Designs and develops an integrated active Army personnel management system. Required services include physical system design, training development, training, testing and implementation of software system to operate in conformance with the Army three tier

automation architecture. Cost plus fixed fee contract was awarded in FY 89 to STATISTICA, Inc. Contract is for one year with three one year options. Contract will be recompeted in FY 93.

Reserve Component Systems

AIS # 131 Reserve Component Automation System (RCAS)

Item: Functional Description Development

Obligations:

1989	1990	1991	1992	1993	1994
9,200	0	0	0	0	0

Description: **Jaycor Corporation assisted with the RCAS functional description by translating all functions performed by the reserve components into data flow diagrams. The data flow diagrams are then translated into data elements for use by the developmental contractor.**

Item: Independent Validation and Verification Contract

Obligations:

1989	1990	1991	1992	1993	1994
0	2,000	3,600	0	0	0

Description: The Independent Validation and Verification (IV&V) contractor, Idaho National Energy Laboratories (INEL), will provide a third party evaluation and quality assurance of the RCAS contract to include proposals, competitive demonstration, and final RCAS contractor. INEL will review, analyze, model, and report on all RCAS contractor management plans, software and hardware configuration, integration, logistics, deployment and maintenance actions.

Item: Competitive Demonstration

Obligations:

1989	1990	1991	1992	1993	1994
0	0	38,000	0	0	0

Description: Resources competitive demonstration contract for Phase I of the RCAS acquisition. During this period government will evaluate industries capability to produce selected portions of the RCAS functional requirements. The selected vendor will begin system fielding in FY 92.

Item: Commercial Services, Software Maintenance and Training

Obligations:

1989	1990	1991	1992	1993	1994
3,975	4,650	4,202	0	0	0

Description: **User training through deployment and software maintenance are provided by a contract with EDS through FY 91. Follow-on contractor software maintenance and reinforcement training for FY 92-94 to be determined.**

AIS # 100 FORSCOM Information System (FIS)

Item: Purchase of System

Obligations:

1989	1990	1991	1992	1993	1994
2,233	3,968	4,735	0	0	0

Description: Provides for purchase of hardware and software, maintenance, and training for a complete system for Headquarters, Forces Command. The contractor is Boeing Computer Services, Government Information Systems.

AIS # 138 CONUS Freight Management System (CFM)

Item: Software Development

Obligations:

1989	1990	1991	1992	1993	1994
1,274	3,217	3,378	0	0	0

Description: Software development of a centrally managed, DOD-wide system for use by all DOD components for freight shipments, audit of DOD government bills of lading (GBL), and analysis of freight management data. The contractor is Cerberonics Incorporated.

AIS # 049 Standard Army Automation Contracting System (SAACONS)

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
5,510	2,740	1,500	0	0	0

Description: Procures UNISYS 5000 minicomputers, associated peripheral devices, and operating system software from UNISYS Corporation from existing Armywide Requirements Type Contract (RTC). FY 92 purchases will complete SAACONS hardware baseline.

Item: Contractor Provided Software Support

Obligations:

1989	1990	1991	1992	1993	1994
3,400	3,400	3,399	0	0	0

Description: Provides SAACONS upgrades. All items currently procured through combination fixed price and cost plus fixed fee contract awarded to CACI Incorporated. Contract expires in FY 92.

Item: Software Purchase

Obligations:

1989	1990	1991	1992	1993	1994
0	5,712	5,851	0	0	0

Description: Develop interface between application programs to off-the-shelf output reports management system, develop and program Database Management System (DBMS) required for modernized SDS, and modernize selected applications of existing SDS. Contractor to be determined.

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
0	2,700	2,500	0	0	0

Description: Purchase and installation of hardware required at WDC to run PCS. Contract includes any hardware training. Contractor to be determined.

Item: Standard PCS Development

Obligations:

1989	1990	1991	1992	1993	1994
0	7,800	800	0	0	0

Description: Application software development of the standard PCS for WDC to include user training. Also provides on-site services during final integration testing at WDC. Contractor to be determined.

AIS # 057 Transportation Coordinator Automated Command and Control Information System (TC ACCIS)

Item: Software Development

Obligations:

1989	1990	1991	1992	1993	1994
2,585	1,686	1,605	0	0	0

Description: Software development of a system which will automate the transportation movement functions for unit movement planning and execution from the unit (battalion, brigade, and division) level through the installation transportation office (ITO) level to FORSCOM and the Military Traffic Management Command (MTMC). The contractor is UNISYS Corporation.

AIS # 012 USAREUR Tactical Command and Control System (UTACCS)

Item: Information Systems EFI&T Contract

Obligations:	1989	1990	1991	1992	1993	1994
	6,453	5,139	5,966	0	0	0

Description: Funds will be applied to options on an EFI&T contract for engineering, fielding, installation and testing effort for hardware, integration and software development for UTACCS nodes in USAREUR. The funds will also provide the initial engineering to begin the transition to Army Command and Control System (ACCS) hardware. The contractor is TRW Incorporated.

AIS # 102 Personnel Electronic Records Management System (PERMS)

Item: Purchase of Hardware and Peripherals

Obligations:	1989	1990	1991	1992	1993	1994
	0	6,357	5,089	0	0	0

Description: Funds will provide for the purchase of Optical Digital Imagery (ODI) technology to install a Personnel Electronic Records Management System for Active Army and Army Reserve. Contractor to be determined.

Item: Purchase of Services to Convert Personnel Records

Obligations:	1989	1990	1991	1992	1993	1994
	0	3,552	2,285	0	0	0

Description: Funds will provide for the purchase of conversion services to convert existing paper and microfiche personnel records to digital images for loading to the installed PERMS. Contractor to be determined.

Miscellaneous Systems Support

AIS # 007 Army Recruiting & Accession Data System (ARADS)

Item: Contractual Services

Obligations:	1989	1990	1991	1992	1993	1994
	10,530	6,639	6,527	0	0	0

Description: Contract provides equipment maintenance, leased circuit work (networking of systems) and software maintenance worldwide. The contractor is Electronic Data System Corporation.

AIS # 060 Army Standard Information Management System (ASIMS)

Item: Hardware/Software Purchase

Obligations:

1989	1990	1991	1992	1993	1994
2,293	1,454	1,886	0	0	0

Description: FY 89 funds are for upgrades to five RDCs to maintain required processing capacity for fielding of redesigned financial systems as well as continued STAMIS processing growth. FY 90-91 funds purchase Front End Processors (FEP) for US Army Europe (USAREUR) Data Processing Installations (DPI) and an enhancement to USAREUR DPI processing and storage capacity. The contract was awarded to Electronic Data System Corporation (EDS) in April 1982. Contract will be recompeted in FY 92.

Item: Operations and Maintenance

Obligations:

1989	1990	1991	1992	1993	1994
54,167	57,042	62,122	0	0	0

Description: Provides contractor operation, maintenance, and replacement of ASIMS government owned equipment. The prime contractor, EDS operates 5 Regional Data Centers (RDC), 47 data processing centers (DPC) in the Continental U.S. (CONUS) and 14 data processing sites Outside Continental U.S. (OCONUS). The contractor is Electronic Data System Corporation (EDS). The contract will be recompeted in FY 92.

AIS # 023 Corps/Theater ADP Service Center II (CTASC II)

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
2,371	3,408	5,001	0	0	0

Description: Funds will purchase microcomputers for use as intelligent workstations in mobile tactical automation systems supporting Corps level information processing requirements. The Contractor is Miltope Corp., awarded in FY 88. Contract will be recompeted in FY 94.

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
7,450	11,396	6,512	0	0	0

Description: Funds will purchase microcomputers, associated peripheral devices, and operating system software for use in mobile tactical automation systems supporting Corps level information processing requirements. All items currently procured through Army wide requirements type contract with UNISYS Corporation (UNISYS 5000-95). Contract was awarded in Sep 88 with contract extension to 30 Sep 92.

Item: Hardware Maintenance

Obligations:	1989	1990	1991	1992	1993	1994
	0	2,079	4,204	0	0	0

Description: Maintenance of mobile tactical automation systems supporting Corps level information processing requirements. Interim maintenance is being performed by Engineering and Economic Research Incorporated, on a task order basis.

Item: Contractual System Support

Obligations:	1989	1990	1991	1992	1993	1994
	2,979	2,912	1,664	0	0	0

Description: Literature research, analysis evaluation documentation, systems training, concept exploration and formulation, technical baseline documentation, and management support for CTASC-II development and fielding. The contractor is Engineering and Economic Research Inc. A fixed price contract was awarded in Jun 89 and is not to extend beyond 30 Sep 94.

AIS # 033 Joint Optical Information Network (JOIN)

Item: Hardware Purchase/Maintenance

Obligations:	1989	1990	1991	1992	1993	1994
	5,665	450	450	0	0	0

Description: Procures hardware and software maintenance for JOIN, a laser videodisc based computer system designed to be a sales, management and training tool. The contractor is Tobyhana Army Depot.

Item: Hardware/Software Maintenance

Obligations:	1989	1990	1991	1992	1993	1994
	0	3,315	3,315	0	0	0

Description: Procures hardware and hardware maintenance for JOIN, a laser videodisc based computer system designed to be a sales, management and training tool. The contractors are USA Direct Corporation and 3M Corporation.

AIS # 010 KEYSTONE

Item: ADPE Time

Obligations:

1989	1990	1991	1992	1993	1994
10,927	10,276	11,400	0	0	0

Description: Funds provide for use of Computer Sciences Corporation owned and operated equipment on a timesharing firm fixed price basis.

Item: Software Maintenance

Obligations:

1989	1990	1991	1992	1993	1994
3,530	3,670	3,820	0	0	0

Description: Software modifications and maintenance will be provided by System Automation Corporation on a cost plus fixed fee basis.

AIS # 034 Kwajalein Instrumentation Control Center/Honolulu Data Reduction Facility (KICC/HDRF)

Item: Capital Investment

Obligations:

1989	1990	1991	1992	1993	1994
440	6,144	3,385	0	0	0

Description: Procures ADP hardware and software to provide technical support to command, operate and direct the overall activities of USAKA. The contractor is Pan Am World Services, awarded in FY 87.

Item: Contractual Support Services

Obligations:

1989	1990	1991	1992	1993	1994
2,162	4,753	5,000	0	0	0

Description: Provides maintenance and operational support to existing general purpose hardware and software that are used to direct the overall activities of USAKA. The contractor is Pan Am World Services, awarded in FY 87.

AIS # 053 Logistics Applications of Automated Marking and Reading Symbols (LOGMARS)

Item: Hardware Purchase/Maintenance

Obligations:	1989	1990	1991	1992	1993	1994
	0	6,018	7,208	0	0	0

Description: Procures LOGMARS bar code printers and scanners to support Army tactical logistics Standard Army Management Information Systems (STAMIS). LOGMARS bar code printers and scanners automate source data input to logistics STAMIS. Provides maintenance for already fielded LOGMARS bar code printers and scanners. Current competitive fixed price multiyear contract was awarded to SYSCON Corporation in September 86. Hardware procurement portion of contract is for five years and will be recompeted in FY 91. Maintenance portion of contract is also for five years; but, may be renewed at option of government for five one year periods after expiration of basic contract in FY 91.

AIS # 037 Military Entrance Processing Reporting System (MEPRS)

Item: Contract Support Services

Obligations:	1989	1990	1991	1992	1993	1994
	1,721	1,907	2,159	0	0	0

Description: Provides contractual support for software and hardware maintenance, and systems analysis support for the distributive network of 73 minicomputers located in each Military Enlistment Processing Station, Sector Headquarters, and Headquarters, United States Military Enlistment Processing Command. Contractor is UNISYS Corporation.

AIS # 052 Tactical Army Combat Service Support Computer System (TACCS)

Item: Hardware Purchase

Obligations:	1989	1990	1991	1992	1993	1994
	23,549	22,007	15,733	0	0	0

Description: Procures ruggedized, transportable microcomputers in support of personnel and logistics software applications. Fixed-price contract awarded to UNISYS Corporation in FY 86.

Item: Contractual Support Services

Obligations:

1989	1990	1991	1992	1993	1994
5,268	5,505	5,330	0	0	0

Description: Hardware maintenance and executive software support for TACCS tactical microcomputers used for software development and training. The contractor is UNISYS Corporation, awarded in FY 86.

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
0	0	7,018	0	0	0

Description: Funds will be used to purchase a mainframe for the U.S. Army Finance and Accounting Center to replace antiquated hardware which supports the Program Budget Accounting System (PBAS) and other agency requirements. Contractor to be determined.

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
9,000	0	0	0	0	0

Description: These funds will purchase a mainframe for the Army Data Center, Pentagon to operate Decision Support Systems (DSS) and Standard Army Management Information Systems (STAMIS). A competitive/fixed price contract is scheduled to be awarded in 1st quarter FY 90.

Item: Hardware/System Purchase

Obligations:

1989	1990	1991	1992	1993	1994
0	0	6,298	0	0	0

Description: A large scale mainframe computer will be procured for U. S. Army Concepts Analysis Agency to replace the existing UNISYS 1100/84. The replacement includes the CPU, memory, DASD,tape drives, controllers, printers, etc. The contract is projected to be awarded in Oct 90. Contractor to be determined.

Item: Hardware Purchase

Obligations:

1989	1990	1991	1992	1993	1994
0	3,973	3,170	0	0	0

Description: The FY 90 funds will purchase a mainframe platform for the vertical and horizontal integration of ARNG corporate data. This will provide a common-user, multi-purpose asset which will support the management information needs of the National Guard Bureau staff. The FY 91 funds will upgrade the mainframe with data modeling tools and other decision support capabilities. Contractor to be determined.

Item: Software Development/Maintenance

Obligations:

1989	1990	1991	1992	1993	1994
4,000	4,800	5,000	0	0	0

Description: Contract provides for on-going systems analysis and programming for the National Guard Bureau. Contract also provides software maintenance for operational applications software. The contractor is Stevens Engineering Corporation.

Item: Software Conversion

Obligations:

1989	1990	1991	1992	1993	1994
2,100	4,100	2,800	0	0	0

Description: Software conversion from the Burroughs minicomputers located at state data processing installations to the Sperry 5000/80 minicomputers purchased in FY 88. The contractor is UNISYS Corporation.

Major Acquisition Plans
1989-1994
(in thousands of dollars)

Source Data System (SDS-P35)

Item: ADPE Procurement For Overseas Sites

Obligations:

1989	1990	1991	1992	1993	1994
0	0	0	8,060	0	0

Description: Procurement of minicomputers, terminals, printers, and integral software to support Navy's pay and personnel Administrative Support System (PASS) network of 16 Personnel Support Activities and 121 Personnel Support Detachments. A 1984 fixed price/indefinite quantity contract was awarded to Martin Marietta Data Systems (MMDS) as the primary system integrator. The MMDS contract will expire in FY-94.

Item: Hardware Maintenance, Training, Documentation and Technical Support

Obligations:

1989	1990	1991	1992	1993	1994
5,484	6,642	6,955	8,355	4,891	3,483

Description: Martin Marietta Data Systems provides hardware/software maintenance, user training, system documentation and technical support. This contract will expire in FY-94.

Item: Software Maintenance, Testing, Configuration Management, System Analysis and Application Software Programming

Obligations:

1989	1990	1991	1992	1993	1994
3,821	3,594	3,862	5,337	3,255	3,267

Description: Requirements development, system analysis, application software programming, testing, configuration management and ADP/software/telecommunications interface. The contract with RGI Corporation expired in FY-90. The RGI won a four year follow-on contract in FY-90.

Computer Aided Design/Computer Aided Manufacturing (CAD/CAM - L40)

Item: CAD/CAM II Acquisition

Obligations:

1989	1990	1991	1992	1993	1994
0	0	13,425	8,126	11,882	10,669

Description: Acquisition of compatible computer aided design and manufacturing hardware and software. Enhance engineering, technical drafting functions and manufacturing/fabrication of special material/components. System used to create, maintain and edit piping system test schematics for various hull, propulsion and auxiliary systems. This acquisition will also permit the preparation and maintenance of large numbers of detailed drawings, plans, maps and other complex graphic data about the Naval shore establishment.

Inventory Control Points (ICP) Resolicitation - L54A

Item: Competitive Replacement of Central Computing Facility and Technical Support

Obligations:	1989	1990	1991	1992	1993	1994
	59,707	13,391	30,467	0	0	0

Description: Purchase, lease, maintenance, and systems analysis support for the Inventory Control Points Resolicitation Project. Fixed price contract awarded to EDS Feb 1984. The contract has a potential 24-year system life, but must be renewed annually. At the end of the 8th and 14th years, based on results of surveys of the marketplace, the Navy can choose either to pursue a new contract vehicle or keep the existing contract. A means to refresh technology on a continuing basis is built into the contract. Single vendor responsibility reduces demands on ADP support personnel located at the ICP central computing facilities (Aviation Supply Office and the Ships Parts Control Center). Funding beyond FY 1991 is dependent upon decision stemming from Corporate Information Management action.

Item: OMNIBUS Contract

Obligations:	1989	1990	1991	1992	1993	1994
	11,925	3,410	0	0	0	0

Description: OMNIBUS five year contract awarded to CACI in January 1988 to provide system development implementation support to all the modernization projects at the Naval Supply Systems Command. Type of contract is cost plus award fee. CACI will provide analysis and programming support by UICP applications plus data base design support.

Engineering Data Management and Control System (EDMICS) - L57)

Item: EDMICS Acquisition of optical disk-based storage, receipt, retrieval and distribution system for engineering data

Obligations:	1989	1990	1991	1992	1993	1994
	10,112	14,440	28,551	12,540	12,568	11,989

Description: EDMICS contract was awarded on 23 June 1989 to Advanced Technology Incorporated. The contract is a ten year, indefinite quantity/indefinite delivery with guaranteed minimum. Advanced Technology will provide hardware, software support, and training. Contractor is testing the first system to meet Navy's requirements. The prototype system is scheduled for installation at the Naval Ordnance Station, Louisville, KY late in March 1990. Other sites will begin implementation in the last quarter of FY 1990. There are 43 approved EDMICS sites. NAVSUPSYSCOM, the program manager, has funding responsibility for the eight primary sites. Above obligations include funding provided by NAVAIRSYSCOM and NAVSEASYSCOM for secondary sites.

Stock Points ADP Replacement (SPAR) - L58A

Item: SPAR hardware/software contract/Maintenance/ Communications

Obligations:

1989	1990	1991	1992	1993	1994
20,482	7,139	13,178	0	0	0

Description: Twelve year contract awarded August 1987 to EDS. Options are provided which can extend contract life to 24 years. Provides processors, storage, tape drives, printers, communications, data base printers, data base management system, and hardware maintenance. Contract contains provisions for technology upgrades and permits addition of new products at any time to ensure the most cost effective and efficient solutions are available to the Navy's stock point community. Funding beyond FY 1991 is dependent upon decisions stemming from Corporate Information Management action.

Item: Training for SPAR

Obligations:

1989	1990	1991	1992	1993	1994
800	3,480	2,384	0	0	0

Description: A cost plus award fee five year contract for analysis, design, development, and delivery of training materials for modernized UADPS-SP awarded September 1989 to Amerind, Inc.

Item: Software Modernization/Data Base Design and Design and Implementation

Obligations:

1989	1990	1991	1992	1993	1994
6,940	7,892	3,701	0	0	0

Description: Omnibus five year contract awarded to CACI in January 1988 to provide system development implementation support to all the modernization projects at the Naval Supply Systems Command. Type of contract is cost plus award fee. CACI will provide programming support to modernize UADPS-SP applications software. CACI will assist in developing the implementation strategy for the data base and its installation and population. Also, CACI will analyze, design, develop, and deliver training materials for modernized UADPS-SP.

Item: Site Conversion Assistance

Obligations:

1989	1990	1991	1992	1993	1994
2,132	2,146	0	0	0	0

Description: Five year, indefinite quantity/labor/hour contract awarded September 1989 to Comprehensive Technologies International, Inc. CTI will provide assistance at various SPAR sites by accumulating input for converting work packages inspecting and accepting deliverables received from the conversion contractors.

Item: Software Conversion

Obligations:

1989	1990	1991	1992	1993	1994
5,286	4,000	0	0	0	0

Description: Firm fixed price eighteen month contract with option to extend term and prices up to 8 years total performance awarded to EDS in August 1988. EDS will convert UADPS-SP application software from the current computer environment to that provided through the SPAR ADP procurement. This item was formerly reported under Interagency Services but has since been transferred to Navy stewardship.

Stock Point Logistics Integrated Communication Environment (SPLICE-L59)

Item: Minicomputers to Front-End Existing Burroughs Mainframes

Obligations:

1989	1990	1991	1992	1993	1994
20,126	11,967	14,651	20,961	23,991	23,853

Description: Federal Data Corporation 15 year firm fixed price indefinite quantity/indefinite delivery contract awarded November 1983. Funding procures Tandem equipment, software, and maintenance for local and network telecommunications in support of the Navy logistics community.

Naval Aviation Logistics Command Management Information System (NALCOMIS-V60)

Item: Purchase of Automatic Data Processing Equipment

Obligations:

1989	1990	1991	1992	1993	1994
1,500	13,050	20,262	27,815	22,945	28,803

Description: Purchase of NALCOMIS DPS-6 computer systems and related contract with Honeywell, Incorporated under contract number N66032-82-D-0008.

Item: **Software Maintenance**

Obligations:

1989	1990	1991	1992	1993	1994
2,100	3,800	4,500	4,000	3,000	3,000

Description: Modification and maintenance of NALCOMIS software. Competitive contract awarded March 1989 to Mantech Technical Services Corporation, contract number N00140-89-C-TB58.

CNOC Primary Oceanographic Prediction System (POPS-016C)

Item: NAVOCEANO and FLENUMOCEANCEN Large Scale Computers

Obligations:

1989	1990	1991	1992	1993	1994
37,500	744	4,498	10,145	5,135	32,428

Description: The LSC and options will be used to support the dynamic ocean and ice model development effort at the Naval Oceanographic Office (NAVOCEANO), Naval Oceanographic Research and Development Activity (NORDA), the Institute of Naval Oceanography and others. As ocean/atmospheric models become more sophisticated and the demand for greater computational power becomes evident, options will be exercised under the competitive firm fixed price contract to add computing power. Facilityy Management Support is required to support the LSC.

Worldwide Military Command and Control System (WWMCCS-C20)

Item: Hardware Maintenance

Obligations:

1989	1990	1991	1992	1993	1994
1,256	1,422	1,400	1,900	1,827	1,842

Description: This is an Air Force contract awarded to Honeywell Corporation December 1979 with yearly options to October 1990. New contract to be awarded October 1990. It provides essential hardware maintenance of the CNO WWMCCS multi-processor and multi-programming Honeywell DPS-8 system located at the Washington Navy Yard. Contract support is provided for site hardware maintenance to ensure that the system is available to users 24 hours a day, seven days a week.

Worldwide Military Command and Control System (WWMCCS) ADP Modernization (WAM-C21)

Item: Acquisition of Hardware

Obligations:

1989	1990	1991	1992	1993	1994
300	4,475	0	0	0	0

Description: The WAM workstation contract was awarded to Honeywell Federal Systems (HFS) in partnership with Apple Computer in August 1989. This contract provides the workstations required for JOPES used by Navy sponsored WWMCCS users to support the National Command Authority, the Joint Chiefs of Staff, and the Unified and Specified Commands. These workstations will also provide the platform for Navy developed Command and Site Unique Software that support the Joint WWMCCS databases.

Item: Software Development

Obligations:

1989	1990	1991	1992	1993	1994
2,829	4,576	2,785	3,772	0	0

Description: Four and one-half year contract with options to extend contract life one year was awarded September 1988 to Andrulis Research Corporation. Cost plus incentive fee for Basic design Increment then converts to fixed price. It provides unique software design for the Basic, PARMIS, CCIS and SUMP programs.

Navy Standard Civilian Payroll System (NAVSCIPS-F24)

Item: Hardware and Software Contracts

Obligations:

1989	1990	1991	1992	1993	1994
4,156	0	0	0	0	0

Description: Contract awarded in 1987 to Federal Computer Corporation for fixed price IBM hardware and software to be purchased and installed for NAVSCIPS. It is an indefinite quantity type contract. The expiration date is 1995.

Personnel and Pay Systems (PERSPAY) Consolidated Computer Center (F32)

Item: Maintenance Contract

Obligations:

1989	1990	1991	1992	1993	1994
1,912	1,250	1,342	1,424	1,537	0

Description: The competitive, fixed price contract, awarded to International Business Machines in 1983, provides maintenance of hardware at the Navy Finance Center, Cleveland. The contract expires 1990, and a competitive contract is expected to be awarded in March 1990 at a fixed price to provide maintenance through 1994.

Naval Air Systems Command (NAVAIR) Industrial Financial Management System (NIFMS-V24)

Item: Naval Aviation Depot Operations Center (NADOC) NAS Paxtuxent River ADP Services Contract

Obligations:	1989	1990	1991	1992	1993	1994
	2,276	2,337	3,280	3,340	3,580	3,743

Description: The prime contractor Computer Data Services, Inc. on a 1985 contract provides overall ADP support of NIFMS, including software maintenance, programming support and functional systems analysis. On 30 June 1990, a follow-on five year contract is expected to be awarded.

Navy Civilian Personnel Data System (NCPDS-P20)

Item: Maxima Corp.–Facilities Management/Operations and Project Operations at Oakridge TN

Obligations:	1989	1990	1991	1992	1993	1994
	4,464	4,224	4,408	4,428	4,579	4,788

Description: On–site facilities management/operations and project operations support of the NCPDS computer facility located at Oak Ridge, TN. An indefinite quantity (Type D) contract that was awarded to Maxima Corp. in FY-1987 with four one year options. The Maxima Corp. contract expires 30 Sep 1991 and will be recompeted.

Real Time Automated Personnel Identification System (RAPIDS-P60)

Item: Contractor Supported RAPIDS Assistance Center-Phase I

Obligations:	1989	1990	1991	1992	1993	1994
	2,664	2,132	2,750	2,379	2,115	2,709

Description: Contractor operated RAPID Assistance Center, Monterey, CA. The contractor provides technical support to RAPIDS users. Other contractor services include hardware maintenance and minor software debugging. Two contracts awarded to Electronic Data Systems in FY-85 consist of a Fixed Fee and a Cost Plus Fixed Fee contracts in support of Phase I (on-line access to DEERS).

Naval Training Information System (NAVTIS-P70)

Item: Equipment and Software Maintenance

Obligations:	1989	1990	1991	1992	1993	1994
	1,518	1,701	1,710	1,753	1,790	1,822

Description: Honeywell contract to support the L66/DPS mainframe at NETPMSADET Memphis and 17 Level 6 minicomputers located at Great Lakes, San Diego, Orlando, and Corry Station. Contract includes equipment and software maintenance, software license fees, and site technical support.

Station Information Management System (SIMS-P80)

Item: Procurement of Equipment

Obligations:

1989	1990	1991	1992	1993	1994
0	2,386	5,322	6,091	6,236	6,637

Description: A competitive contract to be awarded will provide for the procurement of micro computers to automate administrative tasks performed by recruiting personnel at field offices.

Reserve Command Management Information System (RESCOMMIS-R01A\B)

Item: Purchase Contract

Obligations:

1989	1990	1991	1992	1993	1994
0	0	2,618	3,505	2,398	0

Description: Acquisition of a VAX cluster, a data base machine, and the revision of applications to achieve acceptable response time for field initiated information queries. This system will provide for the integration of existing systems, establishing a standardized, integrated data base in support of COMNAVRESFOR mission.

NMPC Support Systems (011)

Item: Total Force Manpower Management System (TFMMS-011F)

Obligations:

1989	1990	1991	1992	1993	1994
102	362	912	1,310	1,632	2,710

Description: A competitively awarded indefinite quantity (Type D) one-year ADP service contract with three one-year options to provide contractor services technical support for telecommunications and data processing systems analysis, and manpower analysis. The TFMMS will integrate existing stand-alone data bases into a common data base system. The contract under its second option was awarded to TCI, Corp. in FY-86.

Item: Application Software Maintenance Contract

Obligations:

1989	1990	1991	1992	1993	1994
1,152	1,430	1,480	1,540	1,284	1,595

Description: This contract provides software maintenance for a variety of personnel decision support systems and distribution programs under the Intergrated Manpower and Personnel Management Information System. The Software Solutions, Inc. was awarded a competitive cost-plus-fixed-fee contract in December 1988. With two year options, the contract is due to expire 30 September 1991.

Item: Facilities Management Contract for Mainframes & Mini-computers

Obligations:

1989	1990	1991	1992	1993	1994
4,766	5,901	5,205	6,331	5,944	7,634

Description: Contractor production support (job scheduling), operations and telecommunications and network support, ADPE time and media management of six installed mainframe computer systems 24 hours per day seven days a week. The prime contractor is PSI. The contract is a Type "C" under its second option. Multiple contracts were consolidated under the PSI contract which is due to be recompeted in Feb 1990.

Item: Navy Manpower Analysis Center (NAVMAC) - Prime Contract to Navy Manpower Requirements System (NMRS-011B)

Obligations:

1989	1990	1991	1992	1993	1994
3,555	3,673	3,795	3,922	4,052	4,187

Description: Contractor ADP system support services to maintain several large centrally managed data bases that generate manpower requirements for ship, shore and squadrons, and mobilization requirements for resources sponsors. NMRS support is provided by Technology Management Corporation (TMC) under a Time and Material/labor contract due to expire 28 August 1991. Professional services consist of manpower research studies and systems analyses, computer programming and analyses, data entry and technical documentation.

Tri-Service Medical Information System (M20)

Item: Composite Health Care System – Logistics (CHCS–LOG-M20A)

Obligations:

1989	1990	1991	1992	1993	1994
0	0	275	2,991	1,734	618

Description: CHCS–LOG is an integrated medical logistic system. It will provide automation for the following hospital functions: warehouse stock fund inventory control and accounting; biomedical repair; property management and accounting; quality control of medicinals; purchasing and contracting management; catalog of all hospital items. Type of contract and name of contractor for procurement of hardware, maintenance and site construction is currently unknown.

Naval Medical Support Systems (008)

Item: Naval Occupational Health Information System (NOHIMS-008A)

Obligations:

1989	1990	1991	1992	1993	1994
2,100	439	1,698	1,783	1,828	1,874

Description: NOHIMS provides information related to exposure to hazards, evidence of compliance with NAVOSH standards, measurement of program effectiveness and accomplished workload. Hardware, maintenance, and site construction costs are procured as options off a fixed price contract with Intersystems Corp.

Item: Medical Office Automation (MEDOA-008B)

Obligations:

1989	1990	1991	1992	1993	1994
1521	2,469	2,455	2,846	2,881	2,897

Description: MED–OA provides hardware and software to replace obsolete office automation (OA) equipment or satisfy new OA requirements. Contract supports Bureau of Medicine and Surgery requirements for network capability at BUMED, 15 echelon 3 activities and 70 echelon 4 activities. Hardware, maintenance, and site construction costs are procured as options off a fixed price contract with Zenith Data Systems, Innova Communications Inc., or Data Product Inc.

Shipyard Industrial Improvement Projects (SIIP)/Supervisor's Desk (L10)

Item: Automation of Firstline Supervisor's

Obligations:

1989	1990	1991	1992	1993	1994
0	1,400	4,330	2,436	0	0

Description: Purchase of ADP equipment in support of the first-line naval shipyard supervisors which will provide prompt and accurate information that will reduce production time.

Shipyard Management Information System (SHPYDMIS-L11)

Item: Shipyard CPU Replacement

Obligations:

1989	1990	1991	1992	1993	1994
11,200	0	0	0	0	0

Description: Non-competitive replacement of naval shipyard Honeywell DPS 8/70's.

Uniform ADP System - Inventory Control Points (ICP-L54)

Item: Communication Subsystems to support DDN Interface and On-Line AUTODIN

Obligations:

1989	1990	1991	1992	1993	1994
2,813	2,940	2,631	6,953	5,465	4,046

Description: Purchase of Tandem equipment, software, and maintenance from the Federal Data Corporation (FDC) contract. This is a 15 year fixed priced indefinite quantity/indefinite delivery contract awarded in November 1983 to support the Stock Point Logistic Integrated Communications Environment (SPLICE) project. The contract permits the contractor to propose substitutions to the existing equipment/software contract requirements for reasons of economy, improved performance, energy savings, or technological upgrades. Terminal users connected to the SPLICE systems will be able to communicate with the ICPs.

Item: Lights Out Data Center

Obligations:

1989	1990	1991	1992	1993	1994
0	0	0	15,564	951	973

Description: Acquisition of on-line ADP equipment and peripheral support equipment to reduce dependency on labor intensive devices and manpower; also reduces requirement for conditioned floor space.

Automation of Procurement and Accounting Data Entry (APADE-L55)

Item: Continued implementation of sites

Obligations:

1989	1990	1991	1992	1993	1994
2,626	2,100	2,700	2,888	2,870	2,775

Description: Purchase of printers, terminals, and maintenance from the Integrated Technologies Group, Inc. fixed price contract.

Item: Continued implementation of sites

Obligations:

1989	1990	1991	1992	1993	1994
11,445	4,181	4,146	8,661	9,773	4,880

Description: Purchases of Tandem minicomputers, printers, and terminals and maintenance from the Federal Data Corporation SPLICE contract.

Uniform Automated Data Processing System - Stock Points (UADPS-SP-L58)

Item: Maintenance Support

Obligations:

1989	1990	1991	1992	1993	1994

(Missing numbers?)

Description: UNISYS corporation indefinite delivery/indefinite quantity contract for maintenance of Burroughs equipment. Contract will be renewed until SPAR replacement equipment is installed at all Burrough's sites.

Logistics Applications of Automated Marking and Reading Symbols (LOGMARS-L58B)

Item: Procurement of Automated Marking and Reading (AMR) Equipment

Obligations:

1989	1990	1991	1992	1993	1994
9,253	4,870	3,705	12,021	13,167	12,167

Description: Purchase of portable and stationary bar code scanners, bar code printers, terminals, and other devices to interface with Uniform ADP System - Stock Points (UADPS-SP) and Shipboard Nontactical ADP Program (SNAP) I/II hardware. Contract also includes site preparation, applications software, and hardware maintenance. Acquisitions are made from one of the following fixed priced contracts: Data Flow Inc., Ibis Corp., Intermec Corp., Severn Corp., NCR Corp., and Syscon Corp.

Publishing and Printing Production System (PPPS-L73)

Item: Electronic Page Printing Systems (EPPS)

Obligations:

1989	1990	1991	1992	1993	1994
2,855	4,569	5,269	5,269	5,269	5,269

Description: Lease contract with Xerox Corporation. Contract due to expire in December 1990. A replacement contract is planned with award expected during the first quarter FY 1991. The Xerox contract is an indefinite quantity type with options.

Item: Technical Manual Print on Demand System (TMPODS)

Obligations:

1989	1990	1991	1992	1993	1994
0	2,415	4,268	0	0	0

Description: TMPODS is an ongoing initiative under the Navy Automated Publishing System (NAPS) umbrella of demand publishing projects. The goal of TMPODS is to establish a digital database of technical manuals to satisfy secondary distribution through printing on demand vice bulk printing through traditional methods, physical storage and manual retrieval. Contract award is anticipated mid-FY 1990 under an 8a Small Business Set Aside.

Item: Solicitation Package Automated (SPA)

Obligations:

1989	1990	1991	1992	1993	1994
2,000	2,000	0	0	0	0

Description: SPA is the automated output of complete bid package sets. SPA has been implemented at Ships Parts Control Center (SPCC) and is planned for implementation at Aviation Supply Center (ASO) in FY 1990. The NAVSUP ICP Resolicitation contract with EDS is being utilized for software development, acquisition of hardware and integration with existing NPPS-owned equipment.

Item: Local Engineering Drawing Automation (Interim EDMICS)

Obligations:

1989	1990	1991	1992	1993	1994
0	2,200	2,500	2,500	2,500	2,500

Description: In support of a Memorandum of Agreement signed with both NAVSEASYSCOM and NAVAIRSYSCOM, NPPS plans to provide conversion and demand printing capability to small activities requiring access to digital engineering data. Various contracts, such as Desktop III and Xerox HPEPS printer, will be utilized to acquire necessary hardware such as PC controllers, optical disk drives, and electronic printing systems.

CNOC Support Systems (016)

Item: NAVOCEANO Central Mainframe Replacement

Obligations:

1989	1990	1991	1992	1993	1994
0	0	0	5,750	0	0

Description: Planned replacement of a central site UNISYS 1100/84 that is used to provide office level scientific processing/numerical calculations at NAVOCEANO, Stennis Space Center. The replacement equipment will interface with the existing peripheral subsystems via FIPS channels, interface to the planned Large Scale Computer, and be compatible with the new Integrated Data Base Management System (IDBMS).

Naval Environmental Data Network (NEDN) Oceanographic Data

Item: Integrated Data Base Management System (IDBMS)

Obligations:	1989	1990	1991	1992	1993	1994
	200	2,436	1,212	1,802	360	398

Description: Integrate all in-house digital data bases through a common data base management system to ensure compatibility with Defense Mapping Agency (DMA) MK 90 system. Both hardware and software will be acquired under a competitive firm fixed price contract.

Enhanced Naval Warfare Gaming System (ENWGS-W10)

Item: Software Development

Obligations:	1989	1990	1991	1992	1993	1994
	1,909	0	1,966	2,011	2,050	2,088

Description: Provides for the design and development of the enhanced Naval Warfare Systems (ENWGS) based on application enhancement to the existing tactical training groups Atlantic and Pacific with a wargaming capability at the battle group level.

Item: Hardware and Software Maintenance

Obligations:	1989	1990	1991	1992	1993	1994
	3,160	2,004	3,141	3,164	3,300	3,370

Description: Procure maintenance services for ENWGS at the Naval War College, Tactical Training Groups Atlantic and Pacific, four remote sites and the System Support Activity. It will also provide on-site gaming support at the Naval War College, Tactical Training Groups Atlantic and Pacific, and the four remote sites. This effort was executed as a competitive action in FY89, a separate competitive action is anticipated for FY92 and out.

Shipboard Non-tactical Automated Data Processing Program (SNAP I-X51)

Item: SNAP I ADPE Acquisition

Obligations:	1989	1990	1991	1992	1993	1994
	3,956	4,851	4,594	16,989	21,312	28,440

Description: Replacement of obsolete AN/UYK-5 shipboard computer systems 67 ships, 17 MAGS, and selected shore sites. Contract was competitively awarded (indefinite quantity - indefinite delivery type) to Honeywell Federal Systems, Inc. in 1982. It is a firm fixed price contract, with a basic contract of 10 years (1982-1992) and one ten year option (1992-2002). The estimated value of the contract is $621. 6 million.

Item: **SNAP I Application Software Development and LCM Support**

Obligations:

1989	1990	1991	1992	1993	1994
4,453	5,791	4,014	3,791	3,381	3,910

Description: **Analysis, design, development, testing and life cycle support for the standard fleet non-tactical automated information systems (supply, maintenance, administrative, source data systems) afloat and ashore and the development and implementation of data bases to support the automated systems. The support is provided under a cost plus award fee contract with Honeywell Federal Systems, Inc. awarded 1 June 1982 through 1992. The contract is a firm fixed price ten year contract with one ten year option not expected to exercised. Resolicitation of the contract is expected in 1993.**

Shipboard Non-tactical Automated Data Processing Program(SNAP II-X52)

Item: SNAP II ADPE Acquisition

Obligations:

1989	1990	1991	1992	1993	1994
3,919	8,321	20,630	25,827	18,729	0

Description: Purchase of standardized mini/micro computer equipment to give automated support to the smaller ships of the Navy, in the areas of supply, maintenance, administration (medical, pay and personnel). Contract award expected March 1990. Contractor under FY87 firm fixed price contract was Systems Management American Corp. This contact expired December 1988. FY91/92 includes installation requirements (Fleet Modernization Program).

NAVAIR Support Systems (001)

Item: Naval Avionics Center (NAC) Indianapolis Distributed Corporate Computer Facility

Obligations:

1989	1990	1991	1992	1993	1994
677	0	3,819	1,259	2,417	4,691

Description: The Central Computer Facility is being replaced. Systemhouse Inc. on an 1988 seven year Indefinite Quantity contract, will provide the initial installation configuration and growth options to support the Center's projected workload. The initial configuration will consist of a core complex and four satellite minicomputers. The growth options will allow upgrading/expansion of the initial configuration plus the addition of eighteen more satellite minicomputers as the Center's workload demands.

Item: **Naval Avionics Center (NAC) Indianapolis System Analysis and Programming Support**

Obligations:

1989	1990	1991	1992	1993	1994
1,100	2,000	2,300	2,357	2,476	2,600

Description: Computer programming and systems analysis with Information Systems Networking will expire in March 1990. The 1987 Indefinite Quantity, Labor Hour contract supports the Center's ADP automation requirements in manufacturing, engineering, quality assurance, administration, financial, and supply functions within NAC. A similar Indefinite Quantity, Fixed Price contract will follow.

Item: Pacific Missile Test Center (PMTC) Information Resource Management Office Corporate Systems Development Support

Obligations:

1989	1990	1991	1992	1993	1994
0	1,528	1,769	1,775	1,815	1,865

Description: Martin Marietta Energy Systems Corporations on a 1984 contract provides Information Technology for variety of IRMO staff requirements. This support involves primarily the Command Task Planning System and the PMTC Administrative Information Retrieval System resident on a UNISYS 1100 computer.

SPAWAR Support Systems (003)

Item: SPAWAR Support Systems - Wang Equipment Support

Obligations:

1989	1990	1991	1992	1993	1994
3,669	4,158	4,485	4,792	0	0

Description: Contract with Computer Dynamics Inc (CDI) (8A Firm) for technical services including programming, computer equipment services and system design. It is a one year contract with four option years awarded in FY 88. Contract combines service support requirements for SPAWARHQ and the electronic engineering field activities.

DNL Support Systems (006)

Item: Central Computer System (CCS) Maintenance (NADC)

Obligations:

1989	1990	1991	1992	1993	1994
2,340	2,457	2,580	2,710	2,845	2,990

Description: Ongoing contract for Central Computer System maintenance at the Naval Air Development Center (NADC). The current three year firm fixed price contract with Control Data Corporation started 1 January 1990 and will expire December 1992. Replacement contract to be awarded December 1992.

Equipment Maintenance

Item: Software and Analyst Services (NADC)

Obligations:

1989	1990	1991	1992	1993	1994
3,600	4,900	4,900	4,900	4,900	5,000

Description: Ongoing contract to provide software and analyst support to the Central Computer System user community at the Naval Air Development Center (NADC). The current two year cost plus fixed fee contract with Digital Systems Group started 1 October 1989 and will expire September 1991. Replacement contract to be awarded September 1991.

Item: Naval Ocean Systems Center (NOSC) Contractual Support for General Purpose Computer Center

Obligations:

1989	1990	1991	1992	1993	1994
4,989	5,487	5,141	5,162	5,177	5,230

Description: Ongoing contract providing operations, programming, and other support for the General Purpose Computer Center, Administrative Systems Division, and the Local Area Network at the Naval Ocean Systems Center (NOSC). The current contract with Computer Sciences Corporation is an indefinite delivery type contact with cost plus fixed fee pricing, and will expire in March 1990, with a 120 day closeout period. A replacement contract will be awarded in March 1990 for one year plus two option years.

Item: Supercomputer System and Augmentation (NOSC)

Obligations:

1989	1990	1991	1992	1993	1994
0	5,471	1,500	1,500	0	0

Description: The supercomputer system at the Naval Ocean System Center (NOSC) will be an integral part of a secure signal processing facility which will be used to apply massively parallel signal processing to ocean surveillance and support system simulations. Procurement of a class 6 supercomputer with an estimated award date of July 1990, a minisupercomputer to front-end the supercomputer in FY 1991, and upgrade and enhancement of the supercomputer in FY 1992. Fixed price contract with options.

Item: Omnibus Systems Analysis and Programming Contract (DTRC)

Obligations:

1989	1990	1991	1992	1993	1994
1,900	1,968	2,033	2,104	2,164	2,226

Description: The purpose of this contract is to provide technical support to the Computer and Information Systems Division in the Computation, Mathematics, and Logistics Department at the David Taylor Research Center in the areas of data communications and hardware and software systems. The major activities will be performance of engineering, technical, and scientific analysis related to computer sciences utilizing advanced methods, procedures, and equipment for communications and information processing needs. Cost plus fixed fee contract. The existing contract is with Integrated Microcomputer Systems (IMS) as a small business (8(A)) set-aside.

Item: Naval Surface Weapons Center (NSWC) Center-wide Area Network (CWAN) Operations

Obligations:

1989	1990	1991	1992	1993	1994
4,392	4,964	5,345	5,800	6,260	6,231

Description: Supports telecommunications operations, primarily technical control center functions and network management, and provides deployment, computer operations, system administration, user assistance, configuration management, application programming, and management consulting services to develop, prototype, and maintain the centerwide office automation system at the Naval Surface Warfare Center (NSWC). There are currently two indefinite delivery/indefinite quantity contracts in place. The contract with International Computers and Telecommunications (ICT) supporting telecommunications at the White Oak site expires in September 1990; at that time these functions will be picked up by the existing contract with Synetics, which currently supports telecommunications at the Dahlgren site and office automation for the entire center. The Synetics contract expires in December 1991, and will be replaced by one or more contracts to be awarded in October 1991.

Item: Scientific & Engineering Computer Facility (NSWC)

Obligations:

1989	1990	1991	1992	1993	1994
4,273	3,381	3,510	2,589	1,808	935

Description: Procurement of remainder of CDC 990 computer system, workstations, high-speed peripherals, and CDC 860 upgrade at the Naval Surface Warfare Center (NSWC) via an existing fixed price contract with Control Data Corporation which expires in July 1994. The contract also provides operating system analyst support and software and hardware maintenance of the CDC scientific & engineering system.

Item: Scientific & Engineering Computer Facility (NSWC) - Follow-on System Procurement

Obligations:

1989	1990	1991	1992	1993	1994
0	0	9,710	10,190	10,260	10,320

Description: Procurement of the Follow-on Scientific & Engineering Computer System (FOSECS) at the Naval Surface Warfare Center (NSWC). The existing CDC scientific & engineering system was procured beginning in FY 1983; the follow-on system represents the major upgrade needed to meet the center's high performance classified and unclassified computing needs in the 1990's. The follow-on system will be implemented in increments, with obsolete existing equipment being released as more powerful replacement system components come on-line. The first increment will be operated in a totally secure mode. Operating systems analyst support, software maintenance, and hardware maintenance are also included. Competitive fixed price contract.

Item: Naval Weapons Center (NWC) - Supercomputer

Obligations:

1989	1990	1991	1992	1993	1994
8,145	680	1,540	1,000	1,000	200

Description: Procurement of a CRAY XMP-EA 116 supercomputer and enhancements to provide the Naval Weapons Center (NWC) with a new resource for running massive computer-intensive scientific programs, including computational fluid dynamics and other algorithms that process vectors/arrays and matrices of high precision floating point variables. The firm fixed price with options contract with Cray was awarded November 1988.

Item: Digital Computer System Maintenance (NUSC)

Obligations:

1989	1990	1989	1992	1993	1994
1,296	1,330	1,366	1,405	1,457	1,462

Description: Hardware maintenance for Digital computer systems in the Computer and Information Services Department and Financial Management Department at the Naval Underwater Systems Center (NUSC). The previous firm fixed price contract with Digital Systems Maintenance expired September 1989 and was recompeted. As only Digital Systems Maintenance had the diagnostics to do maintenance on 8800 machines, a separate contract was awarded for 8800 maintenance so that a contract for the remaining maintenance requirement could be awarded competitively. The latter contract is a three year firm fixed price contract with Telos Field Corporation, starting 1 October 1989 and expiring September 1992.

Item: Advanced Scientific and Engineering Computational Capability (NUSC)

Obligations:

1989	1990	1989	1992	1993	1994
8,483	8,870	9,230	9,488	9,706	9,880

Description: Provides operation services, systems management, system software support, user services and analysis, and system engineering services associated with the computer system for the Advanced Scientific and Engineering Computational Capacity (ASECC) supercomputer facility at the Naval Underwater Systems Center (NUSC). The current contract with Technology Applications Inc. (TAI) is a combination firm fixed price and cost plus fixed fee contract. The current contract expires in FY 1993, when the center plans to recompete for ASECC services.

Item: Programming and Documentation Support for Financial Systems (NUSC)

Obligations:

1989	1990	1989	1992	1993	1994
1,378	1,562	1,602	1,647	1,685	1,715

Description: Annual renewal contract for programming and documentation support for ongoing financial systems and management information services at the Naval Underwater Systems Center (NUSC). The current contract with Acquidneck Management Associates is an indefinite delivery/indefinite quantity type contract.

Item: NSWC Information Command and Control System (NICCS)

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Obligations:	1989	1990	1989	1992	1993	1994
	0	1,100	1,900	2,309	2,730	2,779

Description: Provides contractor services needed to develop and implement NICCS prototypes and production system at the Naval Surface Warfare Center (NSWC), using computer-aided software engineering and other systems/application development tools.

CINCPACFLT Support Systems - (009)

Item: Maintenance Resource Management System (MRMS) (formerly WMMS) - CINCPACFLT

Obligations:	1989	1990	1991	1992	1993	1994
	5,637	3,750	2,646	2,176	2,176	2,176

Description: MRMS is a management system for ship intermediate maintenance of PACFLT ships and Ship Repair Facilities (SRFs). This AIS will consolidate the following management systems, Waterfront Maintenance Management System (WMMS), Area Maintenance Management Information System (AMMIS), Submarine Maintenance Management Information and Planning System (SMIPS), to obtain greater efficiency and economy through increased standardization of software, common support and coordination.

CNO Support Systems (012)

Item: Naval Postgraduate School Mainframe Replacement

Obligations:	1989	1990	1991	1992	1993	1994
	0	6,275	863	8,072	797	584

Description: Replacement of the first of two IBM 3033 mainframe computers in the Postgraduate School's Computer Center. FY 91 provides expansion of processor storage. FY 92 replaces the second system, IBM 3033 ADP. Delegation of Procurement Authority received 18 March 1988. Revised Request for proposals was reissued 15 October 1989. Contract award date is 30 April 1990 with installation 30 April 1990. The major project is the replacement of the processor nucleus.

Item: Keflavick Operations Center

Obligations:	1989	1990	1991	1992	1993	1994
	2,398	2,076	72	78	81	83

Description: NATO/Navy/Air Force effort to purchase mainframes and peripheral equipment for the Keflavick, Iceland Operations Center. By PDM of 14 July 88 the Defense Resources Board directed funding for this program be provided. The Operations Center will process intelligence reconnaissance information. Procurement will be competed internationally.

NAVTELCOM Support Systems (014)

Item: ADP Software Services Contract

Obligations:

1989	1990	1991	1992	1993	1994
648	2,600	1,960	1,748	1,946	2,149

Description: Contractor assistance to the Naval Telecommunications Automation Support Center's support of software for the Local Digital Message Exchange system, the Naval Communications Processing and Routing system and the Standard Remote Terminal/Remote Information Exchange Terminal systems. FY 89 Computer Data Systems, Inc. FY 90 and out Computer Systems Corp (CSC).

Item: ADP Software Services Contract

Obligations:

1989	1990	1991	1992	1993	1994
7,422	3,885	3,781	4,876	4,880	4,652

Description: Contractor assistance to the Naval Telecommunications Systems Integration Center's system testing and certification for installed Naval Telecommunications Systems. Validity Corporation. Present contract expires 30 September 1991.

Item: ADP Software Services Contract

Obligations:

1989	1990	1991	1992	1993	1994
2,117	1,010	870	1,082	884	681

Description: Life Cycle Software Maintenance of NAVCAMS V3 and NAVMACS V5. Testing of software changes and new program releases, documentation update and tech assist as required. Syncrotech Software Corporation. Present contract expires 30 September 1993.

Item: ADP Hardware Maintenance Contract

Obligations:

1989	1990	1991	1992	1993	1994
6,420	6,709	7,603	8,267	8,749	9,255

Description: Contract with Astronautics DAEA 18-88-D0061. Associated with the Standard Remote Message Processing Terminals. Renewed for five years beginning 1 October 1989.

Item: ADP Hardware Maintenance Contract

Obligations:

1989	1990	1991	1992	1993	1994
3,085	3,265	3,854	4,009	4,169	4,335

Description: Contract with Unisys N66032-87-D-0010. Associated with the Local Digital Msg Exchange/NAVCOMPARS. Contract expires 30 September 1992.

Item: ADP Hardware Maintenance Contract

Obligations:

1989	1990	1991	1992	1993	1994
2,278	2,377	2,472	2,571	2,674	2,781

Description: Contract with Unisys N66032-87-C-0002. Associated with the NAVCOMPARS 11 systems. Contract expires 31 March 1992.

Item: ADP Hardware Maintenance Contract

Obligations:

1989	1990	1991	1992	1993	1994
1,434	1,609	1,673	1,741	1,810	1,883

Description: Contract with Xerox (N66032-85-C-0462). Associated with the NAMRADS.

NAVDAC Support Systems - (021)

Item: Telecommunications Network/Line Consolidation

Obligations:

1989	1990	1991	1992	1993	1994
0	929	2,186	2,186	2,186	2,186

Description: The NARDACs have recently implemented a telecommunications network, linking the NARDACs, using DDN and other DCA supplied customers with a replacement capability for long haul telecommunications requirements that are currently being satisfied by a variety of other networks and dedicated lines. This line consolidation will offer Navy customers opportunity for extensive reductions in the current cost of long haul telecommunications support. Multiple contracts awarded in December 1989 are currently in place and additional contracts are expected to be awarded in December 1990.

Item: Computer Hardware for Data Center Consolidation

Obligations:

1989	1990	1991	1992	1993	1994
0	1,110	2,611	2,611	2,611	2,611

Description: The NARDAC Data Consolidation Program is in support of both OSD and Congressional guidance, as well as the Navy policy of using the Navy Regional Data Automation Centers. The plan includes consolidation of like computer environments among the NARDACs, as well as similar consolidation of workload from other Navy Data Centers into the NARDACs. A number of computers currently in operation in the NARDACs have been in operation for eight to ten years, are out of production, and are technically obsolete. The computer hardware upgrades are required to provide the economics of scale necessary to achieve the cost savings associated with the consolidations. Two UNISYS contracts were awarded during the month of December 1989. One contract, awarded by NRCC Long Beach was a competitive multi-year contract. The second, awarded by ADPSO was a sole source multi-year contract. Other various contracts consisting of different vendors are expected to award during January and December 1990 and more in January 1991.

Item: Transition Project Hardware Upgrade

Obligations:

1989	1990	1991	1992	1993	1994
1,081	2,240	3,565	3,450	0	0

Description: The Transition Project was established in 1981 to provide continued ADP support of valid mission requirements of Navy activities, by the NARDACs, NAVDAFs and other Navy data centers. Phase I of this project satisfied the short term capacity problems, and was completed in 1983. Phase II of this program included Navy-mandated buyouts of Unisys-leased central processing units (CPUs) and was completed in FY88. The remaining upgrades/replacements represent CPU upgrades where workload increase and floorspace constraints require modernization.

DEPARTMENT OF DEFENSE–MARINE CORPS

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Functional Area: Financial Management

Name of Major AIS: Standard Accounting, Budgeting and Reporting System (SABRS)

Item: SABRS Software Development Contract

Obligations:

1989	1990	1991	1992	1993	1994
2,537	2,122	1,737	165	336	332

Description: This contract provides funding for SABRS software development. SABRS will integrate the accounting, budgeting, and financial reporting requirements for all Marine Corps activities into a single financial system.

Functional Area: Logistics

Name of Major AIS: Marine Corps Standard Supply System (M3S)

Item: Technical Data Module Contract

Obligations:

	1989	1990	1991	1992	1993	1994
O&MMC	5,233	1,140	865	228	530	551

Description: Contracts were awarded through Dept. of Energy in 1987 and 1988 to optimize the coding of the M3S Technical Data module. This module updates the M3S data base as a result of internal M3S processing and data updates from external systems. The Technical Data Module performs a key function of M3S and is one of two critical modules for M3S completion.

Name of Major AIS: Marine Corps Food Management Information System (MCFMIS)

Item: MCFMIS Development Contract

Obligations:

	1989	1990	1991	1992	1993	1994
PMC	2,932	--	--	--	--	--
O&MMC	--	428	393	196	395	387

Description: This contract is for the development of MCFMIS software and the procurement of point-of-sales terminals. MCFMIS is a DoD mandated system which will provide for headcount data collection, meal preparation information, inventory, preparation of accounting reports and preparation of long-range subsistence requirements.

Functional Area: **Miscellaneous**

Item: Central Processing Unit (CPU) II Procurement

Obligations:

	1989	1990	1991	1992	1993	1994
PMC	0	12,882	6,719	14,449	17,119	14,136

Description: CPU Augmentation Program. The objective of this program is to replace and/or augment the central processing units (CPUs) currently in use at seven Marine Corps major regional information processing centers. This information processing equipment augmentation/replacement is the second phase in a procurement strategy to acquire sufficient CPU capacity to meet projected requirements in Fiscal Years 1990-1993. This Program is based on a requirements analysis which indicates that existing CPUs are quickly becoming saturated and will have to be replaced and/or augmented in the near future if user requirements are to be met. Contract award is expected during June 1990.

Item: Central Processing Unit (CPU) II Systems Software

Obligations:

	1989	1990	1991	1992	1993	1994
PMC	1,901	3,882	4,435	2,072	2,032	2,372

Description: This contract is to procure software to support the CPU's being acquired through the CPU II hardware procurement. The software is inherent to the ADP equipment to attain software compatibility with the existing software environment. The Justification and Approval's (J&A) for the software have been approved. The issuance of the delivery orders is expected during the fourth quarter of Fiscal Year 1990.

Item: Front End Processors (FEP)

Obligations:

	1989	1990	1991	1992	1993	1994
PMC	0	3,480	885	267	205	139

Description: For replacement of communications front end processors (FEPs) and associated equipment throughout the Marine Corps. This requirement currently consists of 63 FEPs. These machines will provide a greater number of data communications circuits and faster trunk speeds at Marine Corps Data Network (MCDN) sites throughout the Marine Corps. The solicitation document was revised to reflect generic technical specifications. All equipment and software will be procured within the first 36 months after contract award. The contract life for FEP maintenance is eight years.

Item: End-User Computing (FMF-EUCE)

Obligations:

	1989	1990	1991	1992	1993	1994
PMC	4,954	2,500	0	0	0	0

Description: To replace the aging inventory of IBM Series I "Green Machines" located with FMF commands. This program includes a requirement for intelligent workstations to interface with major automated information systems. The equipment is also TEMPEST accredited for security and ruggedized for use in the field. A contract was awarded on 19 August 1988 for hardware, software and maintenance. All equipment and software will be procured within the first 36 months. The contract life for FMF-EUCE maintenance is eight years.

Item: Installation and Logistics Information System (ILIS) Operations

Obligations:

	1989	1990	1991	1992	1993	1994
O&MMC	1,308	1,330	1,234	1,183	1,160	1,136

Description: Provides funding for upgrades, enhancements, and maintenance of over seventy information systems which support the management of logistics functions of Headquarters Marine Corps. These logistics functions include: the management of principle end items and ammunition, the control of equipment allowances and requirements, the monitoring of the garrison mobile equipment program, and the management of food services and real property.

Item: Integration Support Contract (ISC)

Obligations:

	1989	1990	1991	1992	1993	1994
PMC	7,100	7,400	7,750	8,250	8,750	9,250

Description: The ISC will allow the Marine Corps, through one contract, to obtain comprehensive ADP services to support the development, implementation, and maintenance of its major IS projects such as REAL FAMMIS, SABRS, AND M3S. The ISC is a cost-plus-award-fee, indefinite quantity, indefinite delivery contract, with task orders being placed by HQMC and the three MCCDPA's. Through the issuance of funded task orders, the ISC contractor will perform a full range of information resources required for efforts associated with performing feasibility studies and cost benefit analysis; performing system analysis and design; programming and testing for new applications; developing and maintaining documentation; evaluating system software and computer equipment; and performing configuration management. The use of the ISC will (1) improve the availability of ADP personnel; (2) standardize development efforts; (3) achieve savings through volume discounts associated with economies of scale; and, (4) reduce contracting efforts. O&M funds earmarked for specific IS development projects will be applied to this contract. The contract will have a minimum level of effort of $150,000 per year and a maximum of $20,000,000. The ISC contract was awarded during the first quarter FY89.

Item: **Albany Integration Support Contract**

Obligations:

	1989	1990	1991	1992	1993	1994
PMC	**4,408**	**1,140**	**976**	**533**	**0**	**0**

Description: **The ISC has been awarded to Electronic Data Services (EDS) to provide integration support to the M3S development and other functions of MCCDPA, Albany. Services such as the coordination of independent contracted development efforts and independent validation and verification of contractor-developed software are provided under the ISC. The contract was originally awarded in 1984 and was recompeted in 1988.**

DEPARTMENT OF DEFENSE–ALL OTHERS

Major Information Technology Acquisition Plans
FY 1989-1994
(in thousands of dollars)

Corporate Information Management (CIM) Program

Item: Computer-aided Acquisition and Logistics Support (CALS)

Obligations:	1989	1990	1991	1992	1993	1994
	--	--	154,000	30,000	0	0

Description: Computer-aided Acquisition and Logistics Support (CALS) will support the technical information needs of the Department and develop a network system architecture for interoperability of existing and emerging stand-alone technical information databases currently used in DoD. The Navy has proposed acceleration of ten separate initiatives of CALS that have the potential for improving the development, maintenance, and dissemination of logistics and design data, and have the potential for wider utilization in DoD. Acceleration of ongoing programs will achieve significant savings compared to current funding levels. The Department believes that the additional investment in CALS in FY 1991 will achieve significant savings in FY 1992-FY 1995. Funding for this effort has been placed in the Corporate Information Management (CIM) initiative to ensure prevention of duplication among other DoD Components. The CALS initiatives identified here are information technology investments for FY 1991. These initiatives are a part of the larger scope of CALS which is a program aimed at improving productivity and cutting costs by the transformation of the acquisition and logistics infrastructure through integration and modernization.

Item: Development of Standard ADP Systems

Obligations:	1989	1990	1991	1992	1993	1994
	--	--	100,000	220,000	320,000	323,000

Description: Currently, multiple information systems are being developed and maintained that satisfy the same functional requirements within the Department of Defense (DoD). These funds will be used to standardize information systems throughout DoD. This initiative will develop uniform and consistent information requirements and data formats within common DoD business areas--such as warehousing, civilian payroll, materiel management, civilian personnel, financial operations, medical services, and contract payment--and will provide for design and development of a single DoD standard integrated information system within each functional area.

Item:	Stock Funding of Reparables					
Obligations:	1989	1990	1991	1992	1993	1994
	--	--	80,000	0	0	0

Description: This initiative transfers Army and Air Force funding of repairable parts from direct appropriations to the stock funds. This in turn will require users to pay for new repair items which in the past have been free issue and will give users an incentive to repair rather than purchase new items. These funds will be used to analyze requirements and design, develop or modify accounting and information systems to track and account for repairable items. It is anticipated that systems developed by the Navy when it transferred reparables to the stock fund can be used with modifications for application in both Army and Air Force. There will also be some requirement for service-unique applications to interface and support the individual accounting systems.

The Joint Staff

Joint Staff Program

Item:	Modern Aids to Planning Program (MAPP)					
Obligations:	1989	1990	1991	1992	1993	1994
	4,200	3,300	5,900	5,200	7,400	8,053

Description: Costs associated with providing analytical support to the unified and specified CINCs in supporting the OPLAN, JSPS, and PPBS decision process.This AIS consists of two components: The MAPP program and the implementation of the Internetted Warfighting Analysis Capability (IWAC)

Integration

Joint Staff Program: Current Operations

Item:	Joint Staff Support Information System (JSSIS)					
Obligations:	1989	1990	1991	1992	1993	1994
	6,313	4,147	4,287	4,800	5,041	5,222

Description: Costs associated with maintenance and support of existing integrated network of 36 minicomputers, in excess of 1500 microcomputers, associated peripherals, software and systems support, providing decision support systems for joint staff actions.

Item: Corporate Data Base

Obligations:

1989	1990	1991	1992	1993	1994
1,525	2,403	1,569	1,695	1,167	1,258

Description: Costs associated with procuring two special purpose minicomputers, along with enhanced storage and processing capacity, to provide staff-wide access to common data bases and access to data bases external to the Joint Staff.

Item: Joint Staff Automation for the Nineties (formerly JSSIS Follow On)

Obligations:

1989	1990	1991	1992	1993	1994
400	300	682	400	750	8,345

Description: Costs associated with the evolutionary, well-reasoned development of a system that will meet Joint Staff ADP needs through the Nineties and into the 21st century.

Defense Communications Agency

WWMCCS ADP Modernization

Item: Joint Operations Planning and Execution System (JOPES)

Obligations:

1990	1991	1992	1993	1994
52,265	59,229	49,342	46,780	51,762

Description: Development, integration, and fielding of JOPES software "versions" to implement the functionality defines by the JOPES Required Operational Capability (ROC).

Defense Contract Audit Agency

Item: Microcomputer Purchase

Obligations:

1989	1990	1991	1992	1993	1994
1,700	1,500	1,500	2,250	3,996	3,150

Description: DCAA has a contract, awarded in May 1989, for 80286 portable computers and 80386 desktop workstations. The contract includes printers, modems, and other peripherals, as well as application software and maintenance.

Item: Computer Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
	1,522	2,388	3,000	3,000	3,000	3,000

Description: DCAA's contracts with the Federal Technology Corporation (FTC) provide maintenance at a monthly fee for all local area networks, workstations, printers, and other peripherals and software acquired under the contracts. Maintenance costs under these contracts for FY 1989 were approximately $1.5 million. Most equipment purchased in FY 1989 will come off warranty in FY 1990. This, coupled with additional equipment to be purchased during FY 1990, will cause maintenance costs to increase to a projected $2.4 million in FY 1990 and $3 million in FY 1991. DCAA has a FY 1990 requirement to provide Agencywide maintenance services on a time and materials basis for all ADP equipment which will replace the monthly maintenance on the FTC contracts. That contract should be awarded in the fourth quarter of FY 1990.

Defense Logistics Agency

Standard Automated Materiel Management System (SAMMS)

Item: Cataloging Tools On-Line (CTOL)

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	--	6,500	11,000	--	--

Description: The acquisition of Cataloging Tools On-Line (CTOL) consists of equipment, such as minicomputers and optical storage devices to automate the preparation of cataloging transactions at all of the DLA Supply Centers. The purpose of CTOL is to improve the Standard Automated Material Management System (SAMMS) overall efficiency by facilitating direct data entry by the functional personnel and by automating production of management and audit reports.

Item: SAMMS Immediate Improvement Initiative (I3) Host Systems

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	--	14,000	38,200	--	--

Description: The Standard Automated Materiel Management System Immediate Improvement Initiative (SAMMS I3) program will establish a database computer platform to replace the current batch-oriented, sequential file-based systems. The proposed platform includes a mainframe computer, associated software and peripherals. The development site will be configured and deployed in early FY 1991 and then upgraded to production level when testing is complete. Operating models of the platform will be deployed from FY 1991 through FY 1992 to the five DLA Supply Centers.

Item: Personal Computers (PCs), PC Software and Non-Impact Printers

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	1,879	--	9,724	--	--	--

Description: This acquisition consists of multi-functional terminals, PC workstations, PC software, and non-impact printers. This acquisition supports the projects associated with the supply system, namely DLA Pre-Award Contracting System (DPACS), Recommended Buy/Automated Inventory Manager Support System (AIMS), Post Award, SAMMS-MOCAS Interface, and SAMMS I3.

Item: Software Development and Program Management

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	9,683	8,468	10,141	11,504	5,133	1,430

Description: This contract service provides for the SAMMS I3 system integration contractor to design, develop, and deploy the technological database platform. The service also provides for the integration of SAMMS and its interfaces to the new technological database platform. Contractor services for FY 1990 through FY 1993 include system and technical design, development and deployment of the database, integration with the SAMMS, and facility rental.

Item: Engineering Data Management and Control System (EDMICS)

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	--	13,275	12,323	--	--

Description: The Engineering Data Management Information and Control System (EDMICS) is a laser optical based storage system for engineering drawings and related technical data maintained by DLA repositories. Acquisition and implementation of EDMICS at the DLA Supply Centers enables DLA to comply with Public Law 98-525 which requires the Secretary of Defense to implement an improved system for the management of technical data.

Defense Integrated Data System (DIDS)

Item: Defense Logistics Supply Center (DLSC) Modernization Mainframe Computer, Commercial Software, and Software Development

Obligations:	1989	1990	1991	1992	1993	1994
PDA	--	11,561	--	1,262	--	1,707
O&M (Commercial Services)	--	12,261	6,406	2,519	1,019	981
O&M (HW/SW Maintenance)	--	310	660	868	977	1,033

Description: The current Central Processing Units at the Defense Logistics Supply Center (DLSC) are fast reaching maximum workload capacity. Additional processing capacity is needed to satisfy the increasing workload requirements in support of the federal logistics community, Northern Atlantic Treaty Organization, other foreign governments, and contractors. The mainframe contractor will develop customized software for the DLSC database application platform, integrate this software with other functions, and provide training and other technical support.

Item: Commercial Services

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	2,500	490	6,598	3,009	1,167	--

Description: This effort provides for systems design and programming for the functional applications, assistance in the area of data base management, and the performance of independent verification and validation functions for the DLSC modernization effort.

Defense Automated Addressing System (DAAS)

Item: Defense Automated Addressing System (DAAS) Replacement (DARP) Defense Network Control System (DNCS)

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	7,042	6,319	405	--	--
O&M	--	313	631	705	731	720

Description: The Defense Automatic Addressing System Office (DAASO) Network Control System (DNCS) contract is one of the two remaining acquisitions necessary to accomplish the DAAS ADPE Replacement and Modernization Program (DARP). This acquisition, scheduled for FY 1990 award and FY 1990-91 deployment, will replace the obsolete CDC 3500 equipment currently installed. The DAAS Network Control System will provide a Defense Data Network (DDN) interface to redirect AUTODIN traffic to the DDN. It will provide a terminal interface capability to enable customers to access DAASO databases and it will support a variety of telecommunications media.

Item: Defense Automated Addressing System (DAAS) Replacement (DARP) Logistics Information Processing System (LIPS)

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	--	4,181	4,161	--	--
O&M	--	--	591	558	580	577

Description: The Logistics Information Processing System (LIPS), scheduled for FY 1991 award and FY 1992-93 deployment, will be the final major acquisition to complete the DARP. It will provide derived database information, rapid access, flexible maintenance, and varied retrieval of addresses, stock item information, tables, and other information currently stored and maintained in multiple files within the DAAS.

Item: Modernization of Defense Logistics Standard Systems (MODELS)

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	--	3,764	3,000	600	--	--

Description: This requirement supports the Logistics Management Institute (LMI) work effort to develop the DoD MODELS program. This acquisition will provided for the conceptual design and field test of variable length transactions and translation capabilities for the modernization of the Defense Logistics Standard Systems (DLSS).

Defense Warehousing Shipment Procedures (DWASP)

Item: DWASP Issues and Transportation Connectivity

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	1,300	5,600	--	--	--

Description: Depot modernization in both the issues and transportation functional area requires mobile communication devices. communication interfaces, and mobile communication device base stations at all DLA depots. The acquisition plan is to deploy the first site, Defense Depot Ogden, Utah, in FY 1990, allow time for operational testing of the equipment, and then deploy to the remaining five depots in FY 1991.

Item: Defense Contract Management Command (DCMC) Mainframe

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	--	7,500	--	--	--

Description: OSD Defense Management Review Decision #916 has directed the consolidation of military contract management operations under DLA. This requirement necessitates migrating AMIS, an Air Force system, to MOCAS and the consolidation of Defense Contract Administration Service Region databases to accommodate the district realignments necessary for the construction of the DCMC. Additionally, a communications network must be created to support the migration and consolidation effort by the end of FY 1991. A mainframe computer with sufficient capacity to allow multiple database realignments within one site on a single computer with no impact to production must be acquired to support this consolidation effort.

Item: DCMC ADP Peripherals

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	--	8,000	--	--	--

Description: Printers capable of handling large-scale continuous printing jobs, Direct Access Storage Devices (DASD), and a robotic tape system will be required to support the consolidation of military services contract management activities in FY 1991. The DASD is needed to store the data that will be transferred from the military services contract management systems and the tape storage and retrieved system is required to maintain an orderly flow of information.

Activity Support

Item: Columbus Area Multi-User Private Branch Exchange (PBX)

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	1,280	5,000	--	--	--

Description: The PBX presently in use is not large enough to support the Columbus DLA community: Defense Construction Supply Center, DLA Systems Automation Center, and DLA Finance Center. The system required will have remote modules that will greatly reduce future cable requirements. Delay or deferral of this acquisition would result in costly duplication of services, such as the leased CENTREX services or other vendor-satellite leased equipment.

Item: COMTEN Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	--	1,320	1,320	1,320	1,320	1,320

Description: Maintenance service is required for the communication processors DLA-wide in order to maintain a high level of service commitments.

Item: Electronic Data Interchange (EDI)

Obligations:

	1989	1990	1991	1992	1993	1994
PDA	--	--	6,224	--	--	--

Description: DLA has been given responsibility for developing a DoD Electronic Data Interchange Prototype Network in 1990 and eventually an EDI Standard System involving major functional areas within the military services and DoD agencies. Development of this prototype will require a combination of software development and acquisition of minicomputer systems and other telecommunication hardware.

Item: UNISYS Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	2,996	3,183	3,183	2,897	--	--

Description: This requirement maintains continuous maintenance service on Burroughs/Sperry mainframes, components and peripherals (disk/tape units, storage controllers, terminals). DLA continues to use such equipment at the Defense Logistics Services Center to support systems such as the Defense Integrated Data System, the Military Engineering and Data Assets Logistics System, the Depot Maintenance System, and the Federal Logistics Database.

Item: Motorola CPUs and Peripheral ADPE Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	1,838	1,871	1,871	1,871	617	--

Description: This requirement supports the continued maintenance of Motorola CPUs and peripherals (storage devices and printers) located at the DLA depots and supply centers.

Item: IBM Mainframe Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	1,258	1,567	1,567	1,426	--	--

Description: This requirement supports the continued maintenance of IBM mainframe computers located at the DLA depots and supply centers.

Item: Xerox Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	1,419	1,498	1,498	1,498	120	--

Description: This requirement supports the continued maintenance of tape drives and disk drives located at the DLA depots and supply centers.

Item: Amdahl and DEC Mainframe Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	1,093	1,229	1,229	1,229	--	--

Description: This requirement supports the continued maintenance of Amdahl and Digital Equipment Corporation mainframe computers located at the DLA depots and supply centers.

Item: Memorex Tape Drives and Disc Drives Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	1,598	1,764	1,764	1,764	882	--

Description: This requirement supports the continued maintenance of tape drives and disc drives at the DLA depots and supply centers.

Item: STC Tape Drives and Disc Drives Maintenance

Obligations:

	1989	1990	1991	1992	1993	1994
O&M	3,396	1,897	1,897	1,897	1,897	--

Description: This requirement supports the continued maintenance of tape drives and disc drives at the DLA depots and supply centers.

Defense Mapping Agency

Distribution Systems

DMA Distribution Management System (DDMS)

Item: Replacement of Entire Distribution System

Obligations:

1989	1990	1991	1992	1993	1994
240	13,719	19,935	1,060	981	998

Description: The DDMS will provide an integrated end-to-end distribution capability which supports customer service at the local level, through requirements and inventory management at the international level, to product delivery. The FY 1990 acquisition will consist of a mainframe computer, two mid-frame computers, microcomputers and software needed to replace the existing distribution system at the host site and the two primary CONUS distribution centers. The FY 1991 DDMS purchase of two minicomputers and related software will provide expanded distribution capability at two CONUS and two overseas depots. The outyear (FY 1992-FY 1994) costs reflect the purchase of hardware and software maintenance and licensing fees.

Defense Medical Support Activity

Direct Patient Care Systems

Item: Composite Health Care System

Obligations:

1989	1990	1991	1992	1993	1994
87,843	66,722	67,458	71,074	75,488	81,058

Description: Procurement and deployment of a fully integrated set of automated health care applications.

Item: **Automated Quality of Care Evaluation Support System**

Obligations:	1989	1990	1991	1992	1993	1994
	3,543	3,600	3,700	3,772	3,614	3,172

Description: **Operation and enhancement of an automated Department of Defense medical quality assurance support system.**

DoD Enrollment Eligibility Reporting Data Base

Item: **Defense Enrollment Eligibility Reporting System**

Obligations:	1989	1990	1991	1992	1993	1994
	14,268	14,910	14,601	15,000	16,000	17,000

Description: **Operation and enhancement of the system to verify eligibility of individuals presenting themselves for Military Health Care and other benefits.**

Office Consolidation Expenses

Item: Defense Medical Support Center Network (DMSSCNET)

Obligations:	1989	1990	1991	1992	1993	1994
	0	9,700	5,910	5,975	6,550	6,800

Description: **Contract awarded Jan 1990. Replace existing network communication resources, leased communication hardware and software with government furnished equipment, maintenance, installation, and support of all network equipment, upgrade of support systems and diagnostics for network management and network user support, and replacement of existing DECCO circuits with new, more efficient, and less costly leased data circuits.**

Item: Systems Integration, Design, Development, Operations, and Maintenance Support Contract (SIDDOMS)

Obligations:	1989	1990	1991	1992	1993	1994
	0	10,346	11,829	11,483	13,898	14,901

Description: **The purpose of this contract is to provide integration assistance and technical support services for ongoing and future automation initiatives for the Defense Medical Systems Support Center. Contract was awarded December.**

DEPARTMENT OF EDUCATION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Title IV Central Application Processor

Obligations:	1990	1991	1992	1993	1994	1995
	7,180*	5,706	6,901	6,860	7,135	7,914

Description: To process applications for Federal Student Aid awards, including preparation of source documents, computer processing, and mailing of award notices.

*Includes $4,308 in reimbursable program funds.

Item: Federal Student Aid Multiple Data Entry

Obligations:	1990	1991	1992	1993	1994	1995
	15,605	25,996	27,296	28,661	30,094	31,599

Description: To provide data collection on financial aid applications to determine eligibility under the Federal Student Aid Programs. These figures represent contracts with organizations that provide student-aid needs analyses which are used to award non-Federal aid. Combining the Title IV applications with the non-Federal applications, as authorized by law, saves students' and institutions' time.

Item: Pell Grant Central Disbursement (Monitoring)

Obligations:	1990	1991	1992	1993	1994	1995
	1,870	1,679	2,127	1,787	876	1,970

Description: To provide systems and programming support including system analysis and design, computer programming, systems testing and documentation.

Item: Stafford/Perkins Data Services

Obligations:	1990	1991	1992	1993	1994	1995
	9,725	12,040	12,120	10,500	11,500	13,000

Description: To perform data entry, data base, and computer system support for the Stafford Loan Program and the collection portion of the Perkins Loan Program.

Item: Campus-Based Processing (CBP)

Obligations:

1990	1991	1992	1993	1994	1995
791	1,128	1,060	1,195	1,326	1,450

Description: To provide computing and related services and general support for maintenance and development of campus-based programs of student aid.

Item: General Electronic Support

Obligations:

1990	1991	1992	1993	1994	1995
885	1,755	1,492	1,582	1,454	1,526

Description: To provide telecommunications support for electronic exchange of Student Financial Aid (Title IV) data between participants and the Department of Education processing facilities.

Item: National Student Loan Data System

Obligations:

1990	1991	1992	1993	1994	1995
200	500	3,000	3,000	3,000	3,000

Description: Design and implement a nationwide student loan database on loans made, insured or guaranteed under provisions of Part B and Part E of Title IV of the Higher Education Act as amended.

Item: Contract for Computer Services

Obligations:

1990	1991	1992	1993	1994	1995
3,869	5,337	5,604	5,884	6,178	6,487

Description: For the processing of Department projects which require computer support. It includes rental of the Department's host computer, data preparation, Xerox and microfilm, microfiche processing and personnel support for the Systems Engineering and Production Processing Units of Computer Services Branch.

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
4,695	7,351	6,899	6,791	6,512	6,717

Description: To provide for the Department-wide acquisition of office automation equipment, the operational and maintenance support of the minicomputer, microcomputers and local area networks. Also included are technical and programming support for application systems on in-house minicomputers and micro-processors.

Item: Financial System Improvement Project

Obligations:

1990	1991	1992	1993	1994	1995
850	2,800	2,800	2,800	2,800	0

Description: This project will provide support to improve deficiencies identified in ED financial systems. The effort is designed to improve the accuracy of data entered in the Primary Accounting System and reported to the central financial agencies.

Item: ED Payment Management System

Obligations:

1990	1991	1992	1993	1994	1995
1,229	2,793	3,300	3,000	1,500	1,200

Description: This system encompasses the core of the Department's automated payments activities. During the next several years, the Department plans to place increasing emphasis on electronic funds transfer (EFT) techniques in support of this system. The Department plans to redesign and integrate this system with the Primary Accounting System.

Item: Minicomputer Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
0	6,865	3,153	2,105	1,550	1,626

Description: To acquire and maintain state-of-the-art minicomputer hardware and software to support the Department's expanding need for office automation functions and key Departmental systems.

DEPARTMENT OF ENERGY

Major Information Technology Acquisition
FY 1990 - FY 1995
(in thousands of dollars)

Research, Development, and Testing (Weapons Activities)

Item: Voice Cable System

	1990	1991	1992	1993	1994	1995
Obligations:	500	1,200	1,200	1,200	1,200	1,200

Description: Sandia National Laboratories, Albuquerque, (SNLA) will install a Voice Cable System which will replace the existing system. The new system will use fiber-optic and twisted-pair cables in a new duct system. The present system, which is 20-40 years old, is inadequate for transmission of voice and open data between and within buildings and does not meet current SNLA and national standards. It also does not have the capacity to handle the current traffic requirements.

Item: Very High-Speed Data Communications Project

	1990	1991	1992	1993	1994	1995
Obligations:	570	3,300	5,700	8,900	4,700	1,650

Description: This is a second phase prototyping effort at Lawrence Livermore National Laboratory to investigate the applicability of circuit-switch technology to the problem of very high-speed data transfer. The proposal will initially provide a switch capable of switching 32 inputs at a data rate of 200 Mbps. The switch will be tied into the 800 Mbps Cray X-MP HSC channel of the Livermore Computer Center.

Item: Voice and Open Data-Switching System

	1990	1991	1992	1993	1994	1995
Obligations:	800	1,985	3,090	3,525	2,100	300

Description: Sandia National Laboratories, Albuquerque, will install a Voice and Open Data-Switching System with a capacity of 12,000 voice and 4,000 data lines. Included in this project is the rerouting and rehoming of interbuilding cable to the locations of the switches.

Item: Computational Research - Massively Parallel Computer System

Obligations:

1990	1991	1992	1993	1994	1995
1,900	1,500	2,100	--	--	--

Description: This item is for the acquisition of a more powerful hypercube system to provide increased access and computing power necessary to accommodate higher work load and overcome limitations of the current machine being used by scientists and engineers investigating the potential of massively parallel architectures to solve complex computational problems at Sandia National Laboratories, Albuquerque.

Item: Satellite Link

Obligations:

1990	1991	1992	1993	1994	1995
2,000	2,000	2,000	2,000	2,000	1,000

Description: A satellite link is planned, using a small-aperture antenna between Sandia National Laboratories, Albuquerque, and the Tonopah Test Range to provide a 2.048 Mbps link for the transmission of secure computer-aided design/computer-aided manufacturing, secure data, and secure compressed video signals. High-capacity data links are required for data and video transmissions to support the test operations. An alternate routing capability is also required in case the DOE INTRANET facility fails.

Item: Class VI Enhanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
2,170	2,170	2,170	2,170	2,170	--

Description: Large memory supercomputer for scientific computational processing for the Sandia National Laboratories, Livermore.

Item: Interim Enhanced Class VI Computer System

Obligations:

1990	1991	1992	1993	1994	1995
2,308	4,039	--	--	--	--

Description: Enhanced current generation or new class of supercomputing system, if available, with large multiprocessor, memory, I/O, and network interfaces to provide the additional required computing capability and capacity for the weapons program at the Lawrence Livermore National Laboratory.

Item: Class VI Enhanced/VII Computer

Obligations:

1990	1991	1992	1993	1994	1995
2,340	7,020	7,020	7,020	7,020	4,680

Description: New technology supercomputer to provide additional capacity and capability required to support weapons research, development, and testing activities at Sandia National Laboratories, Albuquerque.

Item: Open Data System

Obligations:

1990	1991	1992	1993	1994	1995
3,543	2,422	2,200	1,300	1,300	1,300

Description: Installation of a digital data system in an open environment is planned at Sandia National Laboratories, Albuquerque. The system includes an advanced digital data private branch exchange, interbuilding fiber-optic cable network, and intrabuilding cable and riser system.

Item: Installation of T-3 Link Between SNLA and SNLL

Obligations:

1990	1991	1992	1993	1994	1995
4,000	3,500	3,300	3,300	3,200	3,200

Description: Installation of a T-3, 45 Mbps link between the two Sandia National Laboratories will connect supercomputers at both locations. The system includes bandwidth obtained from commercial carriers or the satellite backbone system. Termination hardware is also included.

Item: Memory Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
5,200	--	--	--	--	--

Description: Additional memory for the installed CRAY Y-MP/832 computer system at the Lawrence Livermore National Laboratory.

Item: Class VI Enhanced/Class VII Computer

Obligations:

1990	1991	1992	1993	1994	1995
5,421	10,842	16,181	--	--	--

Description: Additional computing capacity and capability in the Integrated Computing Network required to support increasingly-complex weapons design, development, and testing work loads at the Los Alamos National Laboratory.

Item: Livermore Laboratories Information Exchange (LLIX)

Obligations:

1990	1991	1992	1993	1994	1995
15,950	17,404	17,546	18,193	17,280	11,822

Description: The current Lawrence Livermore National Laboratory/Sandia National Laboratories, Livermore, Centrex system is to be replaced by a multiple node, digital private branch exchange system capable of handling current and anticipated traffic levels. Both circuit-switched services and high-speed packet-switched services are to be provided. The system will utilize new interbuilding and intrabuilding wiring services. Acquisition is by lease to purchase contract.

Item: Class VII Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	3,390	10,171	16,395	--	--

Description: The next generation supercomputer to be installed at the Lawrence Livermore National Laboratory, consisting of multi-processors (at least 16 central processing units), with 128 megawords of main memory, high performance magnetic disk subsystem, I/O processors with buffer memory, and 3.6 network interfaces.

Item: Supercomputer Mass Storage

Obligations:

1990	1991	1992	1993	1994	1995
--	3,590	1,170	1,690	--	--

Description: A second-generation integrated file storage system consisting of on-line disk and mass storage sufficient to support the programmatic supercomputer requirements at Sandia National Laboratories, Albuquerque.

Item: Class VII Computing System

Obligations:

1990	1991	1992	1993	1994	1995
--	5,034	10,067	15,024	--	--

Description: New class of computer to provide additional capacity and capability in the Integrated Computing Network at the Los Alamos National Laboratory.

Item: Los Alamos Integrated Communications System

Obligations:

1990	1991	1992	1993	1994	1995
--	6,714	9,934	9,728	9,783	9,002

Description: The Los Alamos Integrated Communications System (LAICS) acquisition will provide switched and dedicated voice, data, and imagery teleservices over common high-speed fiber-optic transmission facilities. LAICS will increase user productivity and reduce per-unit service costs through advanced technology. On-site switching will provide improved security, management, and control.

Item: Class VI Enhanced/VII Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	4,900	11,700	11,700	6,800

Description: Additional supercomputer for this Laboratory to meet its increased projected work load requiring the capacity and capability of a large-scale scientific processing system.

Item: Storage System Phase IIIB

Obligations:

1990	1991	1992	1993	1994	1995
--	--	5,000	--	--	--

Description: Phased multi-year program to provide required enlargement and expansion of the existing central storage at this Laboratory.

Item: Class VII Enhanced/VIII Computing System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	5,034	10,067	15,024	--

Description: An additional enhanced state of the art supercomputing system to provide a higher level of capacity and capability at this Laboratory to meet programmatic requirements.

Item: Class VII Enhanced/VIII Computing System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	5,324	10,648	15,890	--

Description: Additional state of the art supercomputing system to provide required increased computing capacity and capability in the Integrated Computing Network of this Laboratory.

Item: Class VII Enhanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	10,827	10,705	10,101

Description: Enhanced next generation multiprocessor computer system with large main memory high-performance magnetic disk sub-systems, I/O processors, and network interfaces.

Item: Class VII Enhanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	2,560	7,680

Description: Additional enhanced next generation or, if available, future generation supercomputer to meet programmatic capacity and capability requirements for weapons research, development, and testing.

Item: Class VII Enhanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	3,795	13,900

Description: Enhanced next generation large-scale multi-processor system with large primary and local cache memory, outboard input/output processing systems for high-density, secondary memory, and rewritable optical media for high-speed network transmission.

Item: Class VII Enhanced/VIII Computing System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	5,324	10,648

Description: Additional enhanced current generation or, if available, future technology system to provide required increased computing capability and capacity in this Laboratory's Integrated Computing Network.

Item: Class VII Enhanced/VIII Computing System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	--	5,324

Description: Additional enhanced current generation or, if available, future technology system to provide required increased computing capability and capacity in this Laboratory's Integrated Computing Network.

Production and Surveillance (Weapons Activities)

Item: Digital Telephone System

Obligations:

1990	1991	1992	1993	1994	1995
45	30	35	1,000	4,475	2,775

Description: The system will replace the Dimension 2000 private branch exchange currently in use at Mound. It will be an all digital switch supporting both voice and unclassified data requirements. The replacement is required due to lack of maintenance support capability.

Item: Security Enhancement

Obligations:

1990	1991	1992	1993	1994	1995
150	1,620	2,590	1,530	530	70

Description: New data cabling and fiber optics systems will be installed with appropriate field interface devices and multiplexers to provide data and video communications to the primary and secondary security alarm centers at the Pantex Plant. Increased interest in security necessitates more sophisticated systems to enhance the Plant's security posture.

Item: Personnel Access Control System

Obligations:

1990	1991	1992	1993	1994	1995
325	585	8,625	6,850	700	450

Description: The Personnel Access Control System (PACS) at the Rocky Flats Plant consists of a dedicated host computer connected to Distributed Access Control System (DACS) minicomputers. The system is an on-line interactive system connected via the local area network and telephone lines to remote locations. PACS is being installed to improve control over people and materials entering or leaving the Plant. Improved control is required to meet directives for controlling access to critical materials and to enhance personnel health, safety, and security.

Item: Local Area Network

Obligations:

1990	1991	1992	1993	1994	1995
1,550	1,385	1,460	260	230	1,330

Description: The equipment being procured at the Rocky Flats Plant is an expansion of the plant-wide Local Area Network (LAN). The LAN is an augmentation of the present protected distribution system wireline. The LAN provides end-user connection to computer resources, processor-to-processor communications for interbuilding applications, and video distribution. This project represents expansion of the LAN services to support applications such as computer-integrated manufacturing, materials requirements planning, and other weapons program applications requiring access to computer resources and information distribution facilities.

Item: Replacement for Life Safety/Disaster Warning System

Obligations:

1990	1991	1992	1993	1994	1995
--	280	2,100	6,850	6,870	5,670

Description: The scope of this project at the Rocky Flats Plant involves replacing all equipment associated with the Production Annunciation Utilities and providing for segregated critical alarm systems in fissile material handling buildings. This project will replace approximately 52 Production Annunciation Utilities within 65 buildings at the Rocky Flats Plant. The project is needed to ensure a reliable, functioning system for broadcasting alarms and disseminating emergency and production-related information to plant personnel.

Item: Electronically Supervised Plant Emergency Notification System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	270	2,720	2,970	320

Description: The Kansas City Plant will install an Underwriters Laboratory (UL) listed electronically supervised plant emergency notification system designed in accordance with applicable standards. The current system is not electronically supervised nor is it UL listed for fire alarm indicating applications.

Item: Oak Ridge Operations Integrated Communications Network (ORO-ICN)

Obligations:

1990	1991	1992	1993	1994	1995
--	--	5,426	5,866	5,866	5,866

Description: The ORO-ICN is planned as a lease with option to purchase system and will provide unclassified voice and data communications on-premises switching. It will include a complete new cable plant and telecommunications management system.

Item: Upgrade General Purpose System No. 1

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	1,865	2,035	2,035

Description: Upgrade existing large-scale MVS system mainframe and acquisition of peripherals to support MVS growth and development projections in support of the weapons production program.

Materials Production

Item: Trunked Radio System

Obligations:

1990	1991	1992	1993	1994	1995
4,900	3,660	1,560	200	60	60

Description: Starting in FY 1989 and continuing through FY 1993, the Savannah River Site plans to implement a trunked radio system to provide the mobile service required as a result of project expansions. The existing networks cannot handle traffic due to congestion and inefficient channel assignment. Channel sharing causes confusion between groups and sometimes causes safety problems. The need to encrypt all site radio communications is crucial.

Item: Telecommunications Services

Obligations:

1990	1991	1992	1993	1994	1995
9,500	9,500	9,500	9,500	9,500	9,500

Description: This initiative will provide competitively-acquired telecommunications services at the Savannah River Slant through a lease to ownership arrangement. The scope will include replacement of 11 exchanges and installation of a new exchange, intercommunicating through a Fiber Optic Network with route diversity.

Item: Disaster Recovery System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	5,000	--	--	--

Description: A computer system to be acquired to support this Plant with a "hot" disaster recovery site and to meet production computing requirements.

Item: Classified/Unclassified General Purpose Computer Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	--	8,000

Description: Upgrade this Site's unclassified/classified general purpose computing system to meet increased work load demands.

Waste Transportation and Site Management

Item: Telephone System

Obligations:

1990	1991	1992	1993	1994	1995
4,807	12,440	5,086	4,651	4,769	4,906

Description: A new telephone system is planned for the Hanford Complex that will support voice and data communications. This initiative includes a termination liability of $7.5 million in FY 1991.

Item: Cray X-MP/18 Replacement System

Obligations:

1990	1991	1992	1993	1994	1995
--	1,980	2,640	2,640	2,640	2,640

Description: A Class VI computing system to replace the large scientific computer system, which was acquired in FY 1986, at the Hanford Complex.

Item: Vion NAS 9080 and the NAS 9060 (LSIS) Replacement

Obligations:

1990	1991	1992	1993	1994	1995
--	6,000	--	--	--	--

Description: A large-scale information system equivalent to an IBM 3090 Model 400E for the Hanford Complex.

Item: Trunked Simulcast Radio Network

Obligations:

1990	1991	1992	1993	1994	1995
--	8,316	1,716	114	118	123

Description: A Trunked Simulcast Radio Network is planned at the Idaho National Engineering Laboratory that will include multiple repeater locations controlled by a central station. The system will provide better area coverage, better use of bandwidth, and enhanced and more reliable secure radio transmissions.

Item: Advanced Scientific Computer System (ASCS) Upgrade I

Obligations:

1990	1991	1992	1993	1994	1995
--	--	3,339	3,307	3,307	3,307

Description: Upgrade this Laboratory's ASCS processor power to 4 processors and 8 million words memory. This acquisition will also add 7 Gbytes of disk storage.

Item: IBM 3090/400E or Equivalent Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	6,400	--

Description: Upgrade of this Site's IBM 3090 Model 400E or equivalent to an 3090-500S or equivalent.

High Energy Physics

Item: Integrated Communications System

Obligations:

1990	1991	1992	1993	1994	1995
1,350	1,521	1,543	1,568	1,593	1,621

Description: Purchase and installation of the Integrated Communications System (ICS) is a current initiative at Lawrence Berkeley Laboratory. This ICS will support voice and data communications and is based upon an Intecom IBX S/80 private branch exchange. The system will be acquired under a 7-year lease to purchase subcontract. Installation is now in progress.

Item: Upgrade for Mainframe Computer

Obligations:

1990	1991	1992	1993	1994	1995
6,500	--	--	--	--	--

Description: The completion of the Stanford Linear Collider in FY 1989 will necessitate an upgrade to the Stanford Linear Accelerator Center's central computing facility.

Item: Central Computing Central Processing Unit (CPU) Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	6,000	--	--	--

Description: Upgrade of this Site's CPU capability to meet projected increased scientific and research work load in support of the High Energy Physics Program.

Item: CSCF Supercomputer

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	10,000	--	--

Description: This Laboratory projects a significant need for increased computing capacity over its current computing environment. This increase is projected throughout the planning period. The proposed acquisition will be a system capable of supporting this Laboratory's supercomputing requirements.

Item: Central Computing Central Processing Unit (CPU) Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	10,000	--	--

Description: Upgrade the CPU capability at this Laboratory in order to meet projected increases in computing requirements.

Item: Network Server System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	7,500	--

Description: A network server to handle and manage the 6 trillion bytes of on-line storage projected by the Laboratory. The system will store and manage this massive amount of data in an on-line environment.

Magnetic Fusion

Item: Class VII Enhanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	2,862	11,448	11,448

Description: A supercomputer system with large main memory and associated disk and other storage media which is required to support the scientific users at this Laboratory and scientists located at other sites across the country.

Basic Energy Sciences

Item: Digital PBX

Obligations:

1990	1991	1992	1993	1994	1995
1,832	1,848	1,872	1,895	1,929	1,999

Description: A digital private branch exchange is being acquired at Argonne National Laboratory through a 10-year lease to purchase initiative. The system was installed by Bell Atlanticom and includes a digital switch, new wire and cable plant, and all station equipment other than single line telephones previously purchased from AT&T. The system provides switched data communications up to 56 Kbps.

Item: Class VI Enhanced/Class VII Computer System

Obligations:

1990	1991	1992	1993	1994	1995
2,712	6,200	9,480	9,480	9,480	4,740

Description: A Class VI Enhanced/VII computer system at the National Magnetic Fusion Energy Computer Center which is needed to support the BES programs. In particular, this machine is needed to provide both additional capacity and capability. The new capability is necessary to meet expanded program requirements for running computer simulations that are as realistic as possible.

Item: Oak Ridge National Laboratory (ORNL) High Performance System for Scientific and Technical Computing

Obligations:

1990	1991	1992	1993	1994	1995
--	--	8,000	--	--	--

Description: A central processor, memory, high speed disk subsystem, and associated peripherals to meet the projected growth in scientific and technical computing at ORNL in the areas of solid state physics and others.

Item: Center for Energy Research Large-Scale Parallel Processor

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	2,739	2,739	2,739

Description: The Center of Energy Research (CERC) will consist of the most advanced commercially-available large-scale parallel computers. The computers will be selected so that a spectrum of architectures is provided to best match the range of computational needs of CERC's computational science user community. This will provide the third large-scale parallel processing computer at this center.

Item: Database and Information Storage System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	4,523	781

Description: An IBM 4381 class or IBM 3090 equivalent processor with 250 GB of on-line storage and 2200 GB of archival storage to support the planned Environmental and Molecular Sciences Laboratory.

Item: Advanced Supercomputer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	6,295	--	--	--

Description: A supercomputer system required to provide necessary capacity and capability to this Laboratory's scientific user community as well as other scientists located at sites across the country.

Naval Reactors Development

Item: General Supercomputer System Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
7,500	--	--	--	--	--

Description: This supercomputer upgrade is required for Bettis Atomic Power Laboratory personnel to be able to continue doing calculations to support advanced plan design and to perform existing plant analyses. The upgrade includes additional memory, auxiliary data storage, and other equipment required to upgrade capacity.

Item: Supercomputer System Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
7,500	--	--	--	--	--

Description: Upgrade the CDC 7600 replacement computer system at the Knolls Atomic Power Laboratory with primary and secondary (disk) memory and equipment to support the file storage/transfer system.

Item: General Computer Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	5,000	--	--	--	--

Description: A replacement for the network server computer and additional peripherals for the supercomputer which will provide the needed capacity for the planned growth rate of the computer resources at the Knolls Atomic Power Laboratory.

Item: General Computer and Storage Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	7,500	--	--	--	--

Description: Equipment will provide an increase in storage capacity in the common file system and archival system, a replacement for the network server computer, and additional peripherals for the supercomputer. This equipment will provide the needed capacity for the planned growth rate of the computer resources at the Bettis Atomic Power Laboratory.

Item: Advanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	25,000	--	--	--

Description: A large-scale scientific computer system with a significant increase in capacity to replace the 10-year old CYBER 205 computer system at this Laboratory.

Item: General Supercomputer Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	5,000	5,000	--

Description: Upgrade the general purpose computer system with emphasis on fully configuring the Advanced Computer System at this Laboratory to its full potential. This upgrade will include primary and secondary (disk) memory and/or central processing units.

Item: Archival Storage Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	5,000	--	--

Description: An archival system for more efficient and rapid storage and retrieval of computer and scientific technical data files.

Item: General Computer Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	5,000	5,000	--

Description: Upgrade the general purpose computer system with emphasis on fully configuring the Advanced Computer System at this Laboratory to its full potential. This upgrade will include primary and secondary (disk) memory and/or central processing units.

Item: **Archival Storage System**

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	5,000	--	--

Description: Additional cartridge storage, automatic tape library equipment, and/or additional disk equipment for this Laboratory. This additional equipment will provide improved on-line and permanent file storage at this Laboratory.

Item: Advanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	25,000	--	--

Description: A large scientific computer system (approximately 100 times the computing power of a CDC 7600) to provide additional capacity and capability for this Laboratory to accomplish its missions in support of the Naval Reactors Program.

Item: Advanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	--	--	25,000

Description: Large scale special purpose scientific computer system with significant additional capacity to replace the 7-year old CRAY computer system at this Laboratory.

Uranium Enrichment Activities

Item: Computer Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
--	--	1,735	1,335	2,030	2,330

Description: Replacement of 11 DECsystem 10 computer systems, which are no longer maintained by Digital Equipment Corporation (DEC). These systems are used by the entire Uranium Enrichment Program - including field and Headquarters organizations. The replacement includes communication processors, disk drives, tape drives, and related peripheral equipment.

Nuclear Waste Fund

Item: Licensing Support System Capture Stations

Obligations:

1990	1991	1992	1993	1994	1995
--	1,250	3,910	--	--	--

Description: Several multi-user minicomputer systems, including optical character recognization scanners and other equipment, to be used to assure correct and timely input of information into the Licensing Support System.

Item: Licensing Support System (LSS) Search and Image System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	--	7,830	--	--

Description: A mainframe computer, data storage, image system, communications front-end workstations, and related peripherals to provide search and retrieval capabilities for the LSS.

National Energy Information System (NEIS)

Item: Multiprocessor Computer System

Obligations:

1990	1991	1992	1993	1994	1995
--	--	900	900	500	500

Description: A multiple central processing unit system with 128 megabytes of central storage and 48 channels plus peripheral equipment (disks, printers, communications processors etc.).

Bonneville Power Administration

Item: Microwave Radio Network

Obligations:

1990	1991	1992	1993	1994	1995
4,873	2,463	1,935	2,400	2,400	2,400

Description: This initiative is to replace the microwave radio frequency hardware and associated multiplex equipment at the Bonneville Power Administration (BPA). This equipment is used to provide critical control, protection, and monitoring of the BPA transmission system.

Item: Mainframe Computer

Obligations:

1990	1991	1992	1993	1994	1995
--	--	5,000	--	--	--

Description: A second mainframe computer compatible with the existing IBM 3084Q at this site.

Management and Administration

Item: Secure Automatic Communications Network (SACNET) Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
1,419	1,100	1,025	1,170	1,220	1,220

Description: Headquarters will upgrade the secure communications network interconnecting 26 DOE field sites and Headquarters. The replacement system is expected to recover initial costs within 4 years.

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Public Health Services

Food and Drug Administration (FDA)

Item: Records Management System

Obligations:	1990	1991	1992	1993	1994	1995
	2,335	4,200	2,500	2,600	2,700	2,800

Description: Seven major tasks for the Records Management Contract have been identified:

Manual records management support including document preparation, bar code tracking, and operation of the document control room. Automated Scientific Information Retrieval and Exchange Network (SIREN) Information Control including adapting the Center for Food Safety and Applied Nutrition's (CFSAN) system under Model 204 software resident at the Parklawn Computer Center (PCC) to implement a demonstrable database including indexing and thesaurus. Blood Establishment Registration and Product Listing System under SIREN (or another PCC based platform), a Digital Equipment Corporation (DEC) VAX 8350, or a PC will be demonstrated.

Prototyping of an integrated electronics record management system to include a detailed requirements study, optical disk and document scanning, on-line access and retrieval, and utilization of LAN and remote voice/data communications. Investigational New Drugs (INDs) will be the initial application.

Implementation of an Agency AIDS database to include all AIDS related INDs, New Drug Application (NDAs), etc., and maintenance of the Blood Establishment database.

Facility Management of DEC VAX 8350.

Develop correspondence tracking system.

Convert Data General System for operation on DEC VAX.

LAN installation, training, and maintenance.

Item: **Department of Health and Human Services (DHHS) Switch Procurement - Maryland (only)**

Obligation:

1990	1991	1992	1993	1994	1995
1,273	1,277	1,282	1,287	1,287	1,287

Description: The General Services Administration (GSA) has given a Delegation of Procurement Authority (DPA) for replacement of the existing telephone system at FDA's Maryland locations. The new system will be a state-of-the-art digital switch that will provide voice as well as simultaneous voice/data service. FDA will be required to replace the existing rotary dial in-place station equipment with either touch tone key or electronic sets.

Item: Microcomputer Project

Obligations:

1990	1991	1992	1993	1994	1995
0	1,200	1,200	1,200	1,200	1,200

Description: Microcomputer equipment purchase to support the office automation/information processing functions of the Office of Regulatory Affairs (ORA) nationwide.

Item: Equipment Purchase/Upgrade for the FDA Field Information System (FIS), including the new import data system application titled Import Support and Information System (ISIS). Formerly titled: ISIS Equipment Purchase.

Obligations:

1990	1991	1992	1993	1994	1995
900	4,420	350	560	560	560

Description: Equipment purchase/upgrade will be used in support of the existing FIS, the ISIS regulatory import application under development, the redesigned FIS when completed, the Division of Financial Management (DFM) accounting system, and applications which are local to the District and Regional offices.

Item: National Center for Toxicological Research (NCTR) ADP Support Contract

Obligations:

1990	1991	1992	1993	1994	1995
4,500	5,300	6,100	7,000	7,000	7,000

Description: Under the scope of work of this contract, the NCTR will be provided ADP support for its toxicological experiment activities. These support activities will include experiment support, automated systems development and maintenance, central computer facility management, and Information Technology Center operation.

Item: **National Center for Toxicological Research (NCTR) Maintenance and Enhancement of Central Computer Hardware and Software Contract**

Obligations:

1990	1991	1992	1993	1994	1995
750	1,400	700	1,450	1,450	1,450

Description: **Under the scope of work of this contract, the NCTR will be provided maintenance support for its central computer facility hardware and commercial software (e.g., operating systems, DBMS). This contract will provide for the upgrade and/or replacement of the central computers as dictated by user demand for increased computing capacity and by technology obsolescence.**

National Institutes of Health

Office of the Director

Item: Upgrade of the Advanced Scientific Computing Project

Obligations:

1990	1991	1992	1993	1994	1995
33,490	0	0	0	0	0

Description: This major initiative provides for funding of hardware, software, peripherals, and maintenance for the Advanced Scientific Computing Project at the National Institutes of Health.

This project will provide state of the art computing support to the scientists of the National Cancer Institute, National Institutes of Health, Department of Health and Human Services, and other institutions.

National Cancer Institute

Item: Advanced Scientific Computing Project

Obligations:

1990	1991	1992	1993	1994	1995
2,693	2,700	2,900	3,150	3,300	3,400

Description: These expenditures are necessary for the operation of the National Cancer Institute (NCI) supercomputer project. The system provides the capacity to explore a number of computation-intensive problems in biomedical research and is heavily subscribed as confirmed by the necessity to double computational capacity during the first year of operation. The scientific results that are being reported are clear evidence that growth will continue and that the availability of a tool with orders of magnitude more power does indeed impact the way people view their science and may enhance the research of even the most gifted investigators.

Note: This project incorporates the Division of Cancer Biology and Diagnosis Supercomputer Support Project.

Item: Frederick Cancer Research Facility Computer Services Support Contract

Obligations:

1990	1991	1992	1993	1994	1995
1,244	1,287	1,332	1,382	1,457	1,500

Description: The purpose of this contract is to provide computer applications support and statistical services to the contractors and intramural programs at the facility. Services provided by this contract include administrative computer systems support, facility support systems, scientific applications support, statistical consulting and analysis, and microcomputer applications and support. Computer systems will he operated on the NIH-DCRT computer facility, or on local minicomputers.

In addition to the larger applications to be supported by this contract, support will also be provided to a variety of microcomputer systems which are used for word processing, instrumentation data collection and control, and for analyzing scientific and administrative data.

Item: Operation and Maintenance of the DTP Biological Data Processing System (BDPS)

Obligations:

1990	1991	1992	1993	1994	1995
1,225	1,286	1,350	1,418	1,489	1,563

Description: This contract is in the final stages of recompetition and will be awarded in January 1990.

The BDPS is both a stand-alone system and also an interfaced system. As a stand-alone system, biological data acquired from the pre-clinical screening of potential anti-tumor agents are entered, updated to the master files, and various reports are generated. The reports include exception reports used for editing the data, reports informing suppliers of the agents of the test results, and various management reports. The Drug Information System (DIS), which is an on-line chemical, biological, and management information, is composed of approximately 12 interfaced subsystems. The BDPS is one of those subsystems and data are transferred automatically between the subsystems of the DIS to support queries and generate reports upon request.

The computer hardware used on this contract including VDT's, printers, microcomputers, and the associated software are "Government Furnished Equipment" or "Government Purchased".

The costs shown are for software maintenance, purchase of hardware and "off the shelf" software, and planned enhancements of the existing BPDS.

Item: Biomedical Computing Support in Cancer Control and Prevention

Obligations:

1990	1991	1992	1993	1994	1995
1,450	1,450	1,523	1,600	1,680	1,754

Description: NCI sponsors many cancer research projects requiring computer support services. This project provides data management, statistical computer programming, and related analysis and data processing services in support of the scientific programs of the surveillance and Operations Branch. All work is to be performed using the hardware and systems software resources of the NIH Division of Computer Research and Technology computer facility. Major projects supported include the processing of data tapes from the eleven Surveillance, Epidemiology, and End Results Program regional cancer registries; development of the Cancer Incidence and Surveillance System; and maintenance of the Community Clinical Oncology Program Database.

Item: Computer Support Contract for International Cancer Information Center

Obligations:

1990	1991	1992	1993	1994	1995
1,133	1,078	1,117	1,172	1,289	1,418

Description: In accordance with the National Cancer Act, the International Cancer Information Center (ICIC) collects, analyzes and disseminates all data useful in the prevention, diagnosis, and treatment of cancer. To this end, ICIC has established an international cancer research data bank to collect, catalog, store and disseminate the results of cancer research undertaken in any country for the use of any person involved in cancer research in any country.

All processing steps involved in collection, entry, error correction, reformatting, and preparation of magnetic tapes for rebuilding/updating databases and producing publications have been automated to the fullest extent possible. The computer support contract that provided most of the ADP services needed expired October 31, 1989. A new contract was required to continue current functions through 1993, and to replace technologically obsolete computer equipment currently used to process contractor deliverables.

Item: Cancer Therapy Evaluation Program-Information System (CTEPIS)

Obligations:

1990	1991	1992	1993	1994	1995
893	916	962	1,010	1,060	1,113

Description: This contract supports the computer systems of the Cancer Therapy Evaluation Program (CTEP), Division of Cancer Treatment (DCT), NCI. At the present time, there are 3 major systems: (1) the Cancer Therapy Evaluation Program Information System (CTEPIS), which provides computer capabilities to index, track, select, sort and locate clinical trials by recorded data items, (2) the Drug Management and Authorization Section (DMAS) Drug Computer System (DCS) which is used to verify the accuracy of investigational drug requests, to transmit and record drug shipment information required by the Food and Drug Administration (FDA) and to provide management information to the Program, and (3) the Adverse Drug Reaction System (ADRS) which utilizes the database management program dBASE III+ to monitor adverse reactions reported on CTEP sponsored clinical trials.

The CTEPIS and the DCS systems were previously located on the Division of Computer Research and Technology (DCRT), NIH computer system and the ADRS is currently located on an IBM PC using the dBASE III Data Management program. To enhance the capabilities of these systems, to ensure compatibility between the current systems and to facilitate possible data exchange should that be desirable in the future, CTEP is currently in the process of converting each of these systems to minicomputer based LANs using 2 Microvax 3400s and the Oracle Data Base Management Program.

Item: Biomedical Computing Support Services

Obligations:

1990	1991	1992	1993	1994	1995
2,317	2,433	2,555	2,683	2,803	2,887

Description: This initiative includes three support services contracts for the three intramural branches of the Epidemiology and Biostatistics Program.

Services provided under these contracts include computer programming, computer systems analysis, technical documentation, and clinical support related to computer applications.

Contractor services are provided by organized teams of project managers, computer professionals, and support personnel.

The contractors' project managers and the NCI project officers jointly allocate contract resources in accordance with each branch's priorities and needs.

End products are computer programs and systems, technical documentation, computer output such as listings, tables and graphs, and services such as data entry (keying).

Item: Support for NCI databases on the National Library of Medicine (NLM) Computer System

Obligations:

1990	1991	1992	1993	1994	1995
958	1,005	1,056	1,108	1,108	1,163

Description: The NCI/NLM intra-agency agreement provides ADP services which are essential to the fulfillment of the mandate imposed upon the NCI by the National Cancer act of 1971, which directs the NCI to: "collect, catalog, store and disseminate the results of cancer research in any country". The NLM provides computer equipment and personnel in support of the CANCERLIT database and worldwide dissemination of several other databases containing cancer research information. These databases are collectively known as CANCERLINE and the Physician Data Query (PDQ).

Item: Clinical Data Management (CDM)

Obligations:

1990	1991	1992	1993	1994	1995
853	872	957	959	961	963

Description: The dynamic nature of clinical research requires that new studies with new data reporting requirements be initiated regularly. The CDM is a series of data systems for the storage, retrieval, and analysis of clinical patient data.

These data are being analyzed by the use of statistical methodologies in the design and analyses of clinical trials. This contract develops documents and maintains the necessary software to support the various data bases of the Clinical Oncology Program. It also provides the requisite data collection and data management capabilities as needed. The special requirements of the AIDS effort, the tumor infiltrating lymphocyte studies, and the gene transfer program are also met. Therefore, this project requires detailed knowledge of clinical research and multi-institution data collection for oncologic studies.

Item: Central Computer Facility

Obligations:

1990	1991	1992	1993	1994	1995
1,790	1,603	1,684	1,768	1,856	1,948

Description: NIEHS currently operates a central computer facility composed of one VAX 8600 and two VAX 11/780 processors and associated peripherals and system software. The facility is used by over 400 individuals to meet a variety of their computational needs. The majority of the usage is in direct support of the scientific mission of NIEHS.

Item: ADP Support Services

Obligations:

1990	1991	1992	1993	1994	1995
2,663	3,547	3,724	3,910	4,106	4,311

Description: ADP support services are currently obtained through commercial services. This mechanism presently provides a full range of ADP support including systems analysis, systems design, programming, system programming, computer operations, technical writing, and data entry. This provides a majority of the NIEHS scientific and administrative ADP support and computer operations for the NIEHS VAX computer system.

Item: Toxicology Data Management System (TDMS)

Obligations:

1990	1991	1992	1993	1994	1995
4,200	4,079	4,283	4,497	4,722	4,958

Description: The Toxicology Data Management System (TDMS) is a computer system used to collect, store, and report specific information produced primarily from the in-life and histopathology portions of pre-chronic and chronic tests. This constitutes the data base for toxicity and carcinogenicity tests conducted by the National Toxicology Program (NTP). The system involves a microprocessor component in a number of laboratories to collect the data and a mainframe component to maintain the data base and generate reports and analyses.

Clinical Center

Item:	Clinical Center Medical Information System

Obligations:

1990	1991	1992	1993	1994	1995
1,780	1,750	1,750	1,750	1,750	1,900

Description: The Clinical Center Medical Information System is used in the direct support of patient care within the Clinical Center. Medical orders are entered at display terminals by doctors and nurses, requisitions for services are automatically printed in service departments, results are entered in service departments when available and printed at the patient care location. This system was installed to improve the efficiency and save the time of professional medical care staff at the Clinical Center by reducing the clerical workload, to provide more care of the same or better quality without proportionate staff increases, to better organize and codify medical research protocols used for patient studies, and to better manage the resources required to operate a large clinical research hospital. This system was acquired under a competitive procurement in 1975, has been modified extensively during the past ten years, and is essential to the conduct of patient care and clinical research within the Clinical Center.

All of the computer hardware including specialized terminals and communication equipment is government-owned, including a perpetual software license and source code access. Detailed studies, are in progress to determine the most appropriate system requirements for the support of patient care and clinical research through 1995.

The costs shown above are for hardware/software maintenance and planned enhancements to the existing CCMIS.

Division of Research Resources

Item:	PROPHET

Obligations:

1990	1991	1992	1993	1994	1995
2,200	2,300	2,400	2,400	2,400	2,400

Description: The purpose of this contract is to provide support for the PROPHET Computer Resource for researchers in the Biomedical Community.

It does not support any internal Division of Research Resources (DRR) or NIH operations, although it is used as a research tool by members of the intramural program at NIH, as it is used by biomedical researchers across the country.

The PROPHET system has been ported to a distributed system of workstations called PROPHET II. This allows the current and future users to have all of the resources, previously available only via telecommunications from the centralized mainframe operated, time-shared system, available in a relatively inexpensive workstation. This has meant that more users have been able to obtain access to this research tool whenever they need it, and that their costs are related to one-time workstation costs, rather than ongoing time and line charges.

PROPHET's services currently are available to over 80 sites at major research institutions throughout the United States and abroad. This scientific user community includes academic scientists, scientists from industrial laboratories, and scientists from government agencies including the National Institute of Standards and Technology (NIST, formerly NBS), and the Department of Defense. PROPHET's tools are specifically oriented toward the data management, analysis, scientific communication, and collaborative needs of the scientists who study chemical and biological interrelationships. The resource's staff have continued to carry on the design and development of PROPHET's software as required by the growing user community distributed throughout the nation.

Division of Computer Research and Technology

Item: DECsystem-10 Replacement

Obligations:	1990	1991	1992	1993	1994	1995
	1,172	1,213	1,320	956	956	1,000

Description: The NIH DCRT Computer Center Branch is responsible for the design, implementation, operation, and maintenance of a large, general purpose Computer utility which provides computational services in support of the dynamic and diverse requirements of NIH research investigators and administrators conducting biomedical research. The computer facility consists of an IBM-370 multi-processor system and a triple-processor DECsystem-10. The purpose of this contract is to provide continuing computing services to the NIH scientific community by replacing the DECsystem-10, which is now obsolete.

The DECsystem-10 is used by many scientists to collect, analyze, and maintain data which is essential to their research and the advancement of biomedical science. This contract will provide equipment, maintenance, and technical support.

Item: Systems Programming Task Contract

Obligations:	1990	1991	1992	1993	1994	1995
	1,015	1,069	1,123	1,000	1,000	1,000

Description: The Computer Center Branch of the Division of Computer Research and Technology provides a variety of computing services to NIH, DHHS, and many other government agencies. Many of these services and future services are the responsibility of the Systems Research and Development Section (SRDS) and the User Services and Assistance Section (USAS). The number of tasks SRDS and USAS are responsible for, the small staff allocation, and the complexity of those tasks make it impossible to do all tasks internally. To keep abreast of the existing tasks and to keep the Computer Center's users supplied with modern, cost-effective computing tools, a method must be found to attack and implement the necessary tasks. Thus, the Systems Programming Task Contract. This approach has been used successfully in the past to produce programs that map the contents of a disk, and help personal computers communicate with host processors, among others. The end result of the contract is to help provide the Computer Center's users with modern cost-effective computing tools.

Item: **IBM-370 Total Systems Recompetition**

Obligations:

1990	1991	1992	1993	1994	1995
47,940	50,926	59,266	71,113	80,276	90,049

Description: The purpose of this acquisition is to competitively select a single prime contractor to provide a "Total System" computational capability for the replacement and continued maintenance of the central mainframe NIH computer utility for a period of ten years from date of contract award. The NIH intends to acquire a fully integrated and operational computational capability (i.e., hardware, software; and support services) which is capable of meeting existing and future computational needs in the conduct and management of modern biomedical research.

The proposed system (and contract) must provide maximum flexibility for continual evolution (e.g., modification, upgrading or replacement of hardware and/or software components) in response to changing technology and workload throughout the life of the contract. Onsite hardware maintenance is required 24 hours/day, and onsite software support, systems engineering and management teams are required during the prime shift. A complement of training, technical documentation, and miscellaneous support services is also required.

Health Care Financing Administration

Item: Project to Redesign Information Systems (PRISM) Management

Obligations:

1990	1991	1992	1993	1994	1995
9,200	7,067	1,043	0	0	0

Description: The Health Care Financing Administration (HCFA) has undertaken the Project to Redesign Information Systems Management (PRISM) to accomplish several objectives. These are, primarily, to meet its current programmatic information needs more efficiently and to create a data processing environment that will enable the Agency to carry out the major health care initiatives on the Administration's agenda. The FY 1991 budget request for PRISM is $7,067 million. This will ensure that the project stays on course for an early 1990s complete implementation, thereby ensuring realization of the projected program savings. Major elements that will be supported by the FY 1991 funds include:

- Systems Integration - Monitoring the progress of software development contractors and validating the operation of the new hardware, software, and data communications services in the HCFA Data Center (HDC);
- Software Development - This effort will begin the coding phase of the redesign;
- Hardware and Software - The acquisition of storage devices will meet the requirements of the redesigned systems. These acquisitions include both online and nearline storage;
- End-User Computing - The acquisition of a few office minicomputers and microcomputers (PCs) with related minicomputer and PC software and peripherals; and
- Data Administration - The implementation of the selected Data Dictionary System and the incorporation of the Agency data/information needs into the redesigned information systems.

Item: Central Processing Unit and Direct Assess Storage Device (CPU/DASD) Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
3,850	100	17,600	3,150	1,550	1,150

Description: The Omnibus Budget Reconciliation Act (OBRA) of 1989 legislation and the Department's emphasis on Effectiveness place demands on HCFA's current capacity. To support them, HCFA will develop new data systems and modify existing ones. Provisions of OBRA that affect HCFA's IRM requirements include:

- the maintenance of all the Medicaid provisions from CHI,
- modification of geographic classifications of hospitals,
- physician payment reform,
- changes in secondary payer procedures, and
- publication of the methodology and assumptions used to calculate the Annual Adjusted per Capita Cost (AAPCC) for HMOs.

As a result, HCFA must add significantly to its existing computing and data storage capabilities. HCFA intends to conduct several competitive hardware upgrades. It will upgrade its mainframe and acquire additional direct access storage devices (DASD) and near-line/tape storage in FYs 1990 through 1995 to support both the provisions of OBRA 1989 and Effectiveness.

Item: Software Development

Obligations:

1990	1991	1992	1993	1994	1995
--	5,000	11,500	12,950	6,200	5,500

Description: The OBRA of 1989 legislation and the Department's Effectiveness Initiative require HCFA to develop new data systems and modify existing ones. Provisions of OBRA that affect HCFA's IRM requirements include:

- the maintenance of all the Medicaid provisions from CHI,
- modification of geographic classifications of hospitals,
- physician payment reform,
- changes in secondary payer procedures, and

- **publication of the methodology and assumptions used to calculate the Annual Adjusted per Capita Cost (AAPCC) for HMOs.**

For Effectiveness, HCFA will develop a Medicare Beneficiary Health Status Registry and conduct Post-Hospitalization Outcome Studies.

Family Support Administration

Item: Child Support Enforcement System

	1990	1991	1992	1993	1994	1995
Obligations:	3,400	3,800	4,256	4,766	5,338	5,978

Description: The Child Support Enforcement System (CSES) is composed of the Federal Parent Locator Service (FPLS), the Federal Tax Refund Offset System (FTROS), and the internal Management Information System, (MIS).

The FPLS, utilizing input from the Internal Revenue Service, Social Security Administration, Department of Defense, Department of Transportation (Coast Guard), Veterans Administration National Personnel Records Center of the General Services Administration and the Selective Service System data bases, provides address information to State and local child support agencies. This service is also used in parental kidnapping cases by the Federal Bureau of Investigation and by U.S. Attorneys and other authorized persons. In the years immediately ahead, a number of hardware and software improvements are planned for this major system. One such change is closer integration of the FPLS with the 1099 system, which queries financial institutions on the whereabouts of individuals named on form 1099 (report to the IRS by financial institutions of depositor interest and dividend income).

The Federal Income Tax Refund Offset, mandated by P.L. 97-35, effective October 1, 1981, and P.L. 98-387, is a simple, inexpensive and confidential process. Each year, all States submit to OCSE, as the agent of IRS, case information for individuals who are delinquent in meeting their support obligations. OCSE reconciles the information and forwards the consolidated file to IRS. Cases which are matched are offset by any refund due and a notice is sent to the taxpayer. During FY 1988-89, the Child Support System was enhanced to maintain data on all FSA programs, (except WIN) to provide access to regional office staff, and to increase the data transfer systems options with States by implementing a tape-to-tape transfer system.

Future activities for the Child Support Enforcement System include expansion of the FPLS to provide additional data sources such as Department of Labor and Social Security number verification with SSA.

Item: Child Support Enforcement Network

Obligations:	1990	1991	1992	1993	1994	1995
	7,558	919	1,000	1,000	1,000	1,000

Description: To increase interstate child support collections, the FSA plans to implement a nationwide Child Support Enforcement Network (CSENET). CSENET will be a communications conduit to enable State agencies to electronically transmit information regarding location of absent parents, establishing and enforcing paternity and support orders, and collecting Child Support payments for children where the custodial parent resides in one State and the absent parent in another. CSENET will provide the link between the State's automated systems, it will not replace these system or create its own database.

Item: Office Automation and End-User Computing

Obligations:	1990	1991	1992	1993	1994	1995
	900	1,000	1,000	1,000	1,000	1,000

Description: The purpose of this ongoing initiative is to plan, develop and implement management information and office automation systems for the FSA, extending staff use of IBM compatible PC's through procurement of necessary work-stations, networking, provision of training, and development of procedures to enhance productivity.

Planning and the first stages of implementation took place in FY 1987 with implementation fully underway in FY 1988-1989. FY 1990 funds will focus on automation needs in the regions and support a continuation of current activities, maintenance, and development of user applications. Obsolete, aging, and incompatible equipment will be phased-out and replaced by the more sophisticated, cost-effective, IBM-compatible technology as it is needed and becomes available.

Human Development Services

Item: Office Automation Upgrade /Working Capital Revolving Fund

Obligations:	1990	1991	1992	1993	1994	1995
	1,302	1,407	1,307	1,227	1,157	1157

Description: The purpose of this initiative is to replace/upgrade older workstations, printers, and WANG VS 100 CPUs; purchase microcomputers and laser printers; and replace disk storage devices.

Item: Systems Support Contract(s)

Obligations:

1990	1991	1992	1993	1994	1995
1,720	1,902	1,917	1,942	1,959	1959

Description: The purposes of this contract(s) are to provide software support, facility support, equipment maintenance support and telecommunications networking support for the HDS Computer Center.

Office of the Secretary

Item: Local Area Network Installation and Support

Obligations:

1990	1991	1992	1993	1994	1995
1,948	2,500	1,915	1,750	1,500	1,600

Description: This initiative consists of the acquisition, installation and support of local area networks throughout OS, including all hardware and software purchases which are obtained to support the general operation of the networks as well as support services which are specifically associated with the operation of the networks. The amount includes the installation of communications controllers and a fiberoptic network in the Hubert H. Humphrey Building.

Item: Maintenance and User Support for Personal Computers

Obligations:

1990	1991	1992	1993	1994	1995
2,000	2,000	2,500	2,500	2,700	2,800

Description: These funds will support the maintenance of personal computers and peripheral devices in OS, and the support of the user community through training and problem solving related to standard software. The cost will increase partially in relationship to the increase in the number of personal computers and peripheral devices.

Item: Systems Analysis and Development

Obligations:

1990	1991	1992	1993	1994	1995
1,460	1,525	2,500	3,000	3,000	3,000

Description: Funds will be spent to provide the Department with a resource to design an information infrastructure, to develop paperless transaction-based administrative systems, to provide an integrated set of management control and tracking systems, to upgrade the Department's budget process using PC and LAN technology, and to develop appropriate Executive Information Systems for the use of the Secretary and Assistant Secretaries.

Item: Evaluation and Policy Research - Commercial Services

Obligations:

1990	1991	1992	1993	1994	1995
1,267	1,250	1,230	1,250	1,270	1,290

Description: The cost of outside studies are expected to remain fairly constant, with some increases in systems analysis and programming, and slight increases in systems design and engineering.

Item: Personnel and Payroll Services

Obligations:

1990	1991	1992	1993	1994	1995
2,500	2,800	3,000	3,100	3,300	3,500

Description: Funds are needed for support services and maintenance costs for the HHS personnel and payroll system.

Item: Personal Computers and Peripherals

Obligations:

1990	1991	1992	1993	1994	1995
2,500	2,000	2,500	3,000	2,500	2,500

Description: These funds will be utilized to bring the installed base of personal computers (PCs) to 105 percent of personnel totals, to upgrade a percentage of the PCs each year, and to purchase peripherals such as printers and optical disk devices.

Social Security Administration

Item: Agency Systems Integration Services

Obligations:

1990	1991	1992	1993	1994	1995
0	6,000	6,000	6,000	6,000	6,000

Description: The Social Security Administration (SSA) has developed an aggressive, long-range Agency Strategic Plan (ASP) which establishes the foundation for its future business processes. Initial activities have been undertaken to transplant defined goals into lower level plans and gauge the impact of the ASP on all SSA components. The purpose of this project is to obtain high level, independent, expert advice and counsel from industry to assure that planning, implementation and management efforts associated with present and future SSA projects are appropriate, timely,beneficial and effective.

Item: Disk Capacity Increase

Obligations:

1990	1991	1992	1993	1994	1995
1,675	4,600	4,600	4,600	4,600	4,600

Description: The purpose of this project is to acquire additional direct access storage devices to keep abreast of the increased workloads and changing computer environments at the Social Security Administration (SSA).

Increased storage requirements are needed for test and development, management information, operational support, and expansion of SSA's master files. These requirements have surfaced as a result of an increase in programmer system usage, workload requirements, and hardware and software acquisitions.

Item: Software Support Services

Obligations:

1990	1991	1992	1993	1994	1995
3,000	8,800	8,800	8,800	8,800	8,800

Description: The Social Security Administration (SSA) is in the process of designing, developing and implementing new and efficient software systems to support SSA programs. In addition, current software is being redesigned to ensure stability in administering the ongoing SSA workload. The support services requested in this project would cover all stages of the software life cycle with emphasis on design, development, testing and documentation. Based upon the scope of projects and various life cycle stage development tasks to be performed, a cost-plus-award-fee (CPAF) level-of-effort contract will be used.

A critical shortage of experienced and qualified computer specialists in the areas of planning and integration, communications systems, applications software, and data base development jeopardizes SSA's ability to respond to Systems' goals set by the Agency for fiscal year 1990 and beyond. Due to the critical lack of personnel with expertise in these areas, it will be necessary to obtain the services of outside contractors to develop and maintain systems which SSA cannot address with internal staff.

In addition to supporting the maintenance and improvement of operational production systems, contractors will be used to support the development of modernized systems by developing project plans, performing analysis, design, and programming functions, and designing and implementing data bases.

Item: Installation Support Services

Obligations:

1990	1991	1992	1993	1994	1995
0	2,400	2,400	2,400	2,400	2,400

Description: This project continues contractor services to support the installation of equipment in over 1,400 field offices, 6 program service centers, 3 data operations centers and in the National Computer Center. Because of the large volume of work, the nationwide activity, the complexity of the project, the relatively short timeframe, and the need for very specialized technical skills, it was necessary to acquire contractors with extensive information technology systems hardware and systems software expertise.

Item: Systems Software Engineering Services

Obligations:

1990	1991	1992	1993	1994	1995
2,367	2,367	2,367	2,367	2,367	2,367

Description: The purpose of this project is to secure the services of a systems engineering contractor to assist the Social Security Administration with ongoing software support. These initiatives include ongoing support of SSA's test and development system, multisystem network facility support for interfacing the Software Engineering Facility (SEF) into the Data Communications Utility, and support for converting user test and development workloads from other systems. In addition, support services are needed for the various ADP Plan projects as well as the INTERCOMM to Customer Information Control System conversion and the realignment of the Application Technology Program.

Item: Programmatic Capacity Increase

Obligations:

1990	1991	1992	1993	1994	1995
4,000	4,500	13,900	19,800	23,000	21,900

Description: The Social Security Administration's (SSA) online workloads have increased much more rapidly than expected since capacity studies were done to justify the last major computer upgrade. This is primarily because of the greater than expected number of transactions coming in via the Data Communications Utility (DCU) network and the implementation of several new software systems. Recent capacity studies have clearly demonstrated that SSA again has insufficient computer capacity to provide adequate service to the users and to implement some of the new and improved software systems currently scheduled. The purpose of the Programmatic Capacity Increase (PCI) project is to address SSA's computer capacity needs for most of the 1990s.

The requested Information Technology Systems resources will provide sufficient capacity to support the online workloads and meet the service level requirements for programmatic workloads. This project will represent the most viable and cost-effective approach to the large-scale ADP systems capacity problem. The proposed PCI provides a competitive systems acquisition approach which will effectively and economically respond to the dynamics of the SSA workload with appropriate consideration to Federal procurement regulations and Agency guidelines.

Item: **Disaster Recovery Backup Hardware and Facilities**

Obligations:

1990	1991	1992	1993	1994	1995
350	1,000	1,000	1,000	1,000	1,000

Description: In order to provide the computer hardware and facilities for a disaster recovery plan for the Social Security Administration (SSA) National Computer Center (NCC), SSA will contract for backup sites capable of meeting the Administration's disaster recovery needs. The backup sites must support the critical online and batch environment that SSA's programmatic systems will operate in by calendar year 1990 and beyond.

An additional $500,000 has been added to this project beginning in FY 1991 to begin preparations for online backup capability.

Item: International Direct Deposit of Benefits

Obligations:

1990	1991	1992	1993	1994	1995
520	1,100	2,000	2,200	2,200	2,800

Description: This project will expand the current International Direct Deposit of Benefits Program for Americans living overseas to countries other than England (the only country currently in the program) on an expedited basis. Experience has shown that this program is cost beneficial.

The Social Security Administration's software will be utilized at essentially no additional cost; however, funds will be necessary to underwrite the foreign banks' development costs as negotiated by the Federal Reserve Bank of New York. Cost estimates have been based on the experience gained with England.

Item: Data Communications Network Services

Obligations:

1990	1991	1992	1993	1994	1995
21,000	22,227	25,350	26,350	27,350	28,350

Description: This funding is required to provide ongoing support to the Data Communications Utility (DCU) network and to allow for expansion to support normal growth of the DCU network. The DCU network provides telecommunications resources to support SSA program missions and to provide timely and accurate information and responses to the public.

Funding includes circuitry costs for the entire DCU network and is adjusted in FY 1991 for the removal of the card reader network. Also included are adjustments for inside wiring and for relocations covering initial charges for circuit installations.

Cost estimates are based on current rates and services provided by Federal Communications Commission (FCC) approved common carrier tariffs. These services can only be leased from common carriers using FCC approved tariffs.

These requirements are being reviewed to determine whether they can be accomplished through the mandatory GSA FTS2000 contract.

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
0	5,000	5,000	5,000	5,000	5,000

Description: The Office Automation Program is an initiative designed to deliver to the Agency tools which will enable its employees to perform labor-intensive functions more efficiently and effectively. The OA Program is comprised of 3 subprograms centered on the development of critical elements of the new working environment: Physical Infrastructure; Applications; and Operations Management. A Management Plan has also been formulated to integrate these efforts and provide the management focus to effectuate the 3 subprograms.

Item: Teleprocessing Services Recompetition

Obligations:

1990	1991	1992	1993	1994	1995
1,350	1,350	1,650	1,650	1,650	1,650

Description: The current teleprocessing services contract, held by Computer Sciences Corporation (CSC), is being recompeted under the GSA Teleprocessing Services Program Multiple Award Schedule Contract. The contract provides timesharing services for the processing centers, regional and field offices. It supports many of the Agency's key management information (MI) and administrative systems and provides managers with easy and reliable access to data critical for effective management of SSA's operations. The current contract expires in March 1990.

Item: MI Software Development and Support Services

Obligations:

1990	1991	1992	1993	1994	1995
850	2,000	2,000	2,000	2,000	2,000

Description: This project is for automated data processing support services for the Office of Information Management. Its goal is to accomplish the major initiative of developing modernized Administrative and Management Information (MI) software systems to support the Social Security Administration programs.

The support services will cover all stages of the software development life cycle methodology with a strong emphasis on design, development, testing and documentation. In addition, there are requirements defined for other software engineering management support activities.

The contractor will provide personnel with various skills to support in-house personnel now working on diverse applications. These applications include, but are not limited to, the following areas: application software development, relational data base design, and independent verification and validation.

Item: Financial/Administrative Systems

Obligations:

1990	1991	1992	1993	1994	1995
1,952	3,100	1,688	594	195	96

Description: The above budgeted funds will provide for the modernization of SSA's accounting and other financial/administrative systems. SSA's current accounting system does not efficiently or effectively support the agency's needs. SSA plans to replace the current system with Federal Success, a commercially and marketed state of the art system and acquire implementation support over a three year period beginning in FY 1990.

SSA also plans to improve its Property and Supply Management and Acquisition Management systems, as well as automate travel functions which are currently performed manually. This will be accomplished either by acquiring off the shelf systems or by adopting systems developed by other Federal agencies.

Item: Financial Systems Review

Obligations:

1990	1991	1992	1993	1994	1995
0	1,000	1,000	1,000	1,000	1,000

Description: The Federal Manager's Financial Integrity Act of 1982 (FMFIA) requires the Secretary of the Department of Health and Human Services (HHS) to report annually to the President and Congress on the status of HHS' internal control and accounting systems. Because of personnel resource constraints, the Social Security Administration (SSA) has not been able to certify compliance with the General Accounting Office's (GAO's) principles and standards for these systems.

To ensure compliance with the FMFIA, SSA proposes to employ the services of an 8(a) contractor to review SSA's financial accounting systems for compliance with accounting principles and internal control standards prescribed by GAO. The contractor will be tasked to review the existing Retirement, Survivors and Disability Insurance and Supplemental Security Income automated payment systems. This project will continue in the outyears until all systems have been reviewed and certified.

Item: Telephone Systems for SSA's Program Service Centers

Obligations:

1990	1991	1992	1993	1994	1995
96	2,560	2,640	2,720	2,800	480

Description: As part of SSA's Telecommunications Acquisition Plan, new sophisticated digital telephone systems are scheduled to be procured to replace the current outdated systems in SSA's Program Service Centers (PSCs). These integrated systems, capable of providing both voice and data transmission, will enable these PSCs to provide better service to the SSA constituency.

To date, two contracts have been awarded for new systems; one in the Western PSC (awarded in FY 1987 and cutover in late FY 1989) and the other in the Northeastern PSC (awarded in FY 1988 and cutover in the second quarter of FY 1989). In FY 1990, additional equipment and software is needed in the Northeastern PSC to accommodate numerous moves throughout the facility. In FY 1991, a new state-of-the-art integrated telephone system will be purchased for the Southeastern PSC at an estimated cost of $2,400,000. Likewise, in the outyears SSA will purchase new systems for the Mid-America, Mid-Atlantic and Great Lakes PSCs also estimated at $2,400,000 each.

Each PSC will need to make additional equipment procurements and make telephone moves and/or changes as staffing needs change or as agency initiatives are identified. A cost of $80,000 per PSC is budgeted for this activity.

Item: National "800" Initiative

Obligations:

1990	1991	1992	1993	1994	1995
26,135	40,205	39,492	39,904	40,321	40,743

Description: One of the Commissioner's top initiatives involves establishing one national "800" number, allowing anyone in the continental United States, Hawaii, Alaska, Puerto Rico or the Virgin Islands to call SSA to conduct SSA business. This was an enormous undertaking requiring a variety of activities and costs which not only involved establishing the telecommunications network, but also includes activities and costs associated with maintaining the network. The network was activated during the first quarter of FY 1989.

The above funding reflects costs associated with actual usage of the "800" service network, costs for leasing the network components (i.e., routing features) and costs associated with ongoing line charges. Cost estimates are based on rates and services provided under the current contract with MCI.

In addition to costs for services, the above funding covers the installation of new telephone equipment in SSA answering centers. In FY 1991, the automatic call distributors for the teleservice centers megasites will be expanded/upgraded to add about 300 workstations at a cost of $1,232,000.

Additionally, as new Automatic Call Distributors (ACDs) are installed, the old equipment must be removed, packaged and shipped to designated locations. Funds are also budgeted in FY 1991 for this purpose.

These requirements are being reviewed to determine whether they can be accomplished through the mandatory GSA FTS2000 contract.

Item: Telecommunications Acquisition Plan (TAP) State-Buys

Obligations:

1990	1991	1992	1993	1994	1995
481	2,811	4,000	4,000	4,000	4,000

Description: As a result of the deregulation of the telecommunications industry, the General Services Administration established regulations requiring Federal agencies, including SSA, to competitively procure telephone systems for all locations. TAP was initiated in FY 1985 in response to that requirement.

To accomplish procurements in our more than 1,500 field offices (i.e., district offices and branch offices), TAP includes a State-buy concept. Essentially, aggregated procurements are assigned by State and these States are then grouped into 11 phases for ease of scheduling. Phases I through IX are complete. Phase X and XI will be complete in FY 1991. A second round of TAP will begin in the outyears as systems purchased early in the first round become old and outmoded and need to be replaced.

Additionally, spanning the FY 1991-FY 1992 period, we plan to replace each of the telephone systems in our GSA-served field offices (with a total of 13,565 stations). These offices currently have refurbished equipment acquired from GSA's Purchase of Telephone Services (POTS) contracts. This equipment lacks vital features each field office needs to provide efficient service to the public, such as service observation capability.

Item: Monthly Telephone Charges

Obligations:

1990	1991	1992	1993	1994	1995
40,814	36,682	37,049	37,419	37,794	38,171

Description: The above estimates includes costs of basic telephone service and feature charges, charges for service changes, and toll charges as published in tariffs and other sources. Five years of actual cost data are utilized in the trend analysis that serves as the basis for the budget year and out-year cost estimates. Payments will be made to both the General Services Administration and commercial telephone companies.

Item: Maintenance of SSA Owned Telephone Equipment

Obligations:

1990	1991	1992	1993	1994	1995
3,950	4,400	5,880	6,664	8,515	9,258

Description: This request is for maintenance of Social Security Administration (SSA) owned and General Service Administration (GSA) served telecommunications equipment for field offices. The funds are required to maintain telecommunications equipment in working order to support the Agency in accomplishing its mission and will be applied towards many existing SSA contracts to reimburse contractors for maintenance services performed.

Costs increase significantly in the outyears due to recompetition of the headquarters switch maintenance contract, which we expect will be bid much higher than our current rate; and for maintenance of the new digital switches installed in the Program Service Centers.

Item: **Reprocurement of Telephone Systems**

	1990	1991	1992	1993	1994	1995
Obligations:	963	1,000	1,000	1,000	1,000	1,000

Description: SSA began purchasing telephone systems for its field offices in fiscal year (FY) 1983. Because the life-expectancy of a typical telephone system is approximately 5 years, some of these older telephones will need to be replaced before the scheduled State buy. Such replacement is necessary because either the system consistently malfunctions or certain features the system does not offer are critical to the office. The above funds will support these procurements.

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Housing

Obligations:

1990	1991	1992	1993	1994	1995
41,667	44,724	49,196	54,116	59,528	65,480

Item: Public and Indian Housing

Obligations:

1990	1991	1992	1993	1994	1995
3,719	5,176	5,694	6,263	6,889	7,578

Item: Government National Mortgage Association

Obligations:

1990	1991	1992	1993	1994	1995
2,416	2,652	2,917	3,209	3,530	3,883

Item: Community Planning and Development

Obligations:

1990	1991	1992	1993	1994	1995
4,179	5,008	5,509	6,060	6,666	7,332

Item: Policy Development and Research

Obligations:

1990	1991	1992	1993	1994	1995
3,984	4,524	4,976	5,474	6,021	6,624

Item: Fair Housing and Equal Opportunity

Obligations:

1990	1991	1992	1993	1994	1995
1,866	2,710	2,981	3,279	3,607	3,968

Item: Department Management

Obligations:

1990	1991	1992	1993	1994	1995
1,829	2,066	2,273	2,500	2,750	3,025

Item: General Counsel

Obligations:

1990	1991	1992	1993	1994	1995
727	857	943	1,037	1,141	1,255

Item: Administration

Obligations:

1990	1991	1992	1993	1994	1995
25,148	49,463	51,279	24,104	24,174	26,591

Item: Inspector General

Obligations:

1990	1991	1992	1993	1994	1995
637	2,757	3,033	3,336	3,670	4,037

Item: Capitalized Equipment

Obligations:

1990	1991	1992	1993	1994	1995
1,500	1,500	1,500	1,500	1,500	1,500

Description: The above table reflects the projected obligations for ADP services to be provided to each program area within the Department for Fiscal years 1990 through 1995. Projections for the outyears anticipate normal workload growth.

DEPARTMENT OF THE INTERIOR

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Bureau of Land Management

Item: Automated Land and Mineral Records System (ALMRS)

Obligations:	1990	1991	1992	1993	1994	1995
	28,750	26,000	22,000	36,300	36,000	8,600

Description: This project's objective is to automate BLM's current outdated manual land and mineral records system and provide an integrated platform for future BLM ADP modernization efforts.

Item: Microcomputers (Includes generic, Portable/Laptop w/Software)

Obligations:	1990	1991	1992	1993	1994	1995
	4,423	3,177	2,082	1,081	1,110	1,060

Description: The Bureau has requirements for AT compatible portable and laptop microcomputers with the associated peripherals and software to provide the Bureau with on-site, desktop use computing capabilities.

Item: GIS PRIME Mini-Computers and PRIME Upgrades

Obligations:	1990	1991	1992	1993	1994	1995
	3,393	3,086	--	--	--	--

Description: The purpose of this technology is to support spatial data processing requirements necessary for BLM resource management activities.

Item: GIS Graphics Peripheral Equipment (Includes GIS Terminals & Printers; Plotters; Tablets/Digitizers)

Obligations:	1990	1991	1992	1993	1994	1995
	1,995	2,358	3,500	--	--	--

Description: The purpose of this technology is to support spatial data processing requirements necessary for BLM resources management activities.

Item: Data Communications

Obligations:

1990	1991	1992	1993	1994	1995
1,409	1,000	1,000	1,510	1,400	1,400

Description: Most of this represents replacement of aging equipment and upgrade of newer equipment to interface with FTS 2000 data services and accommodate expanding data communication requirements.

Item: Telephone Systems

Obligations:

1990	1991	1992	1993	1994	1995
1,000	1,250	800	650	750	700

Description: The objective is to replace our remaining analog telephone switches and interfaces with digital equipment to meet the preferred requirement of FTS 2000 and to be able to take advantage of the access and usage discounts offered to digital customers.

Item: Radio Equipment

Obligations:

1990	1991	1992	1993	1994	1995
1,831	1,000	800	600	700	700

Description: The bulk of this represents replacement of aging equipment; however, there will be new equipment acquired to support expansion of law enforcement activities, and aircraft radios used in support of wildfire suppression activities.

Minerals Management Service

Item: Offshore Computer Replacement

Obligations:

1990	1991	1992	1993	1994	1995
4,420	1,520	5,560	2,400	--	--

Description: Replace the aged Perkin-Elmer minicomputers with modern efficient equipment.

Item: Operations & Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
5,700	6,000	6,300	6,600	--	--

Description: Contract support for computer operations, technical services, software development and maintenance, micrographics, and data entry.

Item: Computer Hardware

Obligations:

1990	1991	1992	1993	1994	1995
--	1,422	1,422	1,422	1,422	--

Description: Expansion of the data processing capacity of the Royalty Management Program. Purchase and lease purchase under fixed price contract (awarded FY 1985) hardware and software to configure the IBM environment within which the converted AFS will operate.

Office of Surface Mining Reclamation and Enforcement

Item: Computer Services

Obligations:

1990	1991	1992	1993	1994	1995
3,000	3,200	3,300	3,400	3,500	3,600

Description: Obtain ADP processing resources from Departmental General Purpose Computer Centers to support programmatic and administrative systems.

Item: Coal Data Management Information System (CDMIS)

Obligations:

1990	1991	1992	1993	1994	1995
1,300	1,400	1,500	1,800	700	700

Description: Obtain contractor support to develop CDMIS, an integrated programmatic information system. Development will strictly adhere to the Department's Life Cycle Management process. The development will be completed over a four year period, beginning in FY 1989. Operation and maintenance costs will be included in the fifth year for the development contractor. The Initiation Phase will be completed by FY 1990. System analysis and general system design activities will take place in FY 1989 and 1990. Development and implementation will take place in FY 1991 and 1992. Operations and maintenance of the system will be supported in FY 1993 and 1994.

Item: Applicant Violator System (AVS)

Obligations:

1990	1991	1992	1993	1994	1995
3,758	6,633	6,158	--	--	--

Description: AVS was developed as a result of the revised Parker Order dated October 15, 1984. The implementation of the system requires OSMRE to maintain current status of assessments and collections of civil penalties. The system allows the states to obtain information needed to deny or allow the issuance of new mining permits. AVS became operational on October 1, 1987, and will be incorporated into CDMIS by FY 1992.

Item: Operations and Maintenance Services

Obligations:

1990	1991	1992	1993	1994	1995
5,000	5,000	5,000	5,000	5,000	5,000

Description: Operations and maintenance support to assist in the maintenance of current ADP systems or systems under development which will be active during the contract period. Operations and Maintenance contractors are required to provide support services covering the entire systems life cycle.

Item: Technical Information Processing System (TIPS)

Obligations:

1990	1991	1992	1993	1994	1995
1,384	1,384	1,390	1,400	1,410	1,420

Description: TIPS provides assistance to State and Federal regulatory personnel in analyzing surface mining permit applications and reclamation plans. The system consists of a super minicomputer with geologic surface modeling software, accessed by engineering workstations located in user areas.

Bureau of Reclamation

Item: Supervisory Control and Data Acquisition System (SCADA) -A-85-WBR-LC-06 (Lower Colorado Region)

Obligations:

1990	1991	1992	1993	1994	1995
--	1,000	3,000	3,500	500	40

Description: Purchase, upgrade, replacement, and maintenance costs associated with procurement of real-time process control systems.

Item: Replacement Computer System for Administrative Services -A-87-WBR-ER-23

Obligations:

1990	1991	1992	1993	1994	1995
8,721	4,166	3,909	3,681	4,882	2,765

Description: Purchase of equipment, software, site modifications, maintenance, technical support, and training associated with the administrative systems modernization acquisition.

U.S. Geological Survey

Item: U.S. Geological Survey Mark II System

Obligations:

1990	1991	1992	1993	1994	1995
14,000	20,000	20,000	17,000	17,000	9,000

Description: The National Mapping Division initiated an Advanced Cartographic Systems Program to develop and implement new mapping systems that are expected to improve production capability and efficiency. The Program exploits significant investments in research and development by the Department of Defense and will modernize the cartographic process in the areas of graphic conversion, sensor exploitation, data base operations and product generation. Major components of Mark II include:

- Purchase, development, and maintenance costs associated with procurement of a digital map revision system.
- Purchase, development, and maintenance costs associated with procurement of a mass storage subsystem for cartographic data.
- Purchase of minicomputers, peripherals, graphic systems, and software for Cartographic Data Production System.
- Purchase of a system to produce both standard and derivative digital and graphic products from the National Digital Cartographic Data Base.

Item: Distributed Information System (DIS)

Obligations:

1990	1991	1992	1993	1994	1995
5,000	5,000	4,000	1,000	--	--

Description: As a result of advancements in technology and pilot tests, in 1982 the Water Resources Division (WDR) established the DIS consisting of nationwide installations of minicomputers and telecommunications for water-data processing. Highly used and active by 1987, there will be a continued need for the purchase of additional storage, memory, and other systems enhancements to support the DIS for several years, protecting this substantial equipment base while additional technology is migrated into future WRD acquisitions, satisfying increasing demand.

Item: Distributed Information System II (DIS II)

Obligations:

1990	1991	1992	1993	1994	1995
11,286	13,630	12,910	11,710	35,574	--

Description: DIS II is an upgrade of the present Distributed Information System (DIS) nowconsisting of up to 75 minicomputer systems (71 were procured through 1987). DIS II will cause the migration of present hardware, software, and telecommunications facilities to new equipment to be procured. DIS II will satisfy needs for enhance technology, computational capability, and data storage. DIS II includes significant options for all major offices of the USGS and other options for other bureaus of the Department of the Interior.

Item: Financial Integration Review for Management (FIRM)

Obligations:

1990	1991	1992	1993	1994	1995
4,392	4,019	3,239	794	759	782

Description: Procurement and installation of a standard accounting payment system for the Department of the Interior.

Item: Facility Management

Obligations:

1990	1991	1992	1993	1994	1995
1,200	1,400	1,700	2,000	2,300	--

Description: Recompetition of current facility management contract for computer operations and production control functions.

Item: GEONET 2

Obligations:

1990	1991	1992	1993	1994	1995
1,120	3,470	4,070	--	--	--

Description: Data communications services to support all Department of the Interior data networking requirements.

Fish and Wildlife Service

Item: Generalized Acquisition Radio and Telephone Communication

Obligations:

1990	1991	1992	1993	1994	1995
13,000	13,289	13,499	13,709	13,919	14,100

Item: Support services contract for the National Ecology Research Center, FWS

Obligations:

1990	1991	1992	1993	1994	1995
1,770	1,700	1,800	1,900	2,000	--

Description: Recompetition of the current five-year techncial support services contract for ADP and information services to the Center for an additional five years. Funding shown above is for the ADP portion of the contract only. This commercial maintenance contract will expire prior to 1995.

National Park Service

Item: Microcomputer Procurement

Obligations:

1990	1991	1992	1993	1994	1995
2,000	7,000	4,800	--	--	--

Description: NPS's anticipated participation in the Bureau of Reclamation's microcomputer procurement.

Office of the Secretary

Item: Update Computer Systems

Obligations:

1990	1991	1992	1993	1994	1995
270	750	730	1,140	855	1,355

Description: Continued development of an initiative started several years ago to integrate executive systems and office automation within the Office of the Secretary.

Item: Procurement Systems Standardization Project

Obligations:

1990	1991	1992	1993	1994	1995
300	3,000	2,000	2,000	2,000	--

Description: A Departmentwide effort to identify standardized needs and develop, implement, and operate a system to meet them.

Item: Data Transport Facility System

Obligations:

1990	1991	1992	1993	1994	1995
3,607	785	350	350	350	350

Description: The Data Transport Facilities System is a vehicle serving the Office of the Secretary and Bureaus within the Main and South Interior buildings for data communications. The system will permit the exchange of data throughout the buildings between and among minicomputers and networks, including Hewlett Packard, Wang, IBM and others.

DEPARTMENT OF JUSTICE

Major Information Technology Systems Acquisition Plans
1990-1995
(in thousands of dollars)

Drug Enforcement Administration

Item: Narcotics and Dangerous Drugs Information System (NADDIS)

Obligations:

1990	1991	1992	1993	1994	1995
5,054	5,036	5,036	5,036	5,036	5,036

Description: NADDIS is the major enforcement support system for the DEA. This data base maintains records on persons, businesses, ships, aircraft and certain airfields. It is the centralized index of all DEA investigative reports.

Item: DEA Automated Teleprocessing System (DATS)

Obligations:

1990	1991	1992	1993	1994	1995
2,357	1,796	1,796	1,796	1,796	1,796

Description: Charges related to leasing services for operation ofequipment that provides on-line access to DEA's law enforcement and support data bases.

Item: Field Data Entry

Obligations:

1990	1991	1992	1993	1994	1995
4,361	5,861	5,861	5,861	5,861	5,861

Description: With the installation of the office automation systemand the DEA information systems operating under aDBMS, field data entry and analysis is a critical issue.A contract was awarded in FY 1987 to provide fielddata entry and analysis on a nationwide basis. In FY 1989 there will be 108 field data entry positions.An additional 39 positions will be needed in FY 1990.

Item: Administrative System

Obligations:

1990	1991	1992	1993	1994	1995
1,068	1,211	736	736	736	736

Description: This item consists of the cost for all the smaller systems that are required to support the administrative functions of the DEA. Included in the list of systems are Turn-Key System, On-line Research System, Asset Forfeiture, Federal Wide Drug Seizure, Property Management System, Employee Training System, etc.

Item: El Paso Intelligence (EPIC)

Obligations:

1990	1991	1992	1993	1994	1995
1,661	2,234	1,701	1,078	1,078	1,078

Description: EPIC is an interagency intelligence center supporting the worldwide information collection on drug movements. In 1985 EPIC was designated by the National Drug Enforcement Policy Board to be an "All Source Intelligence Center."

Item: Office Automation (OA) System

Obligations:

1990	1991	1992	1993	1994	1995
33,043	31,363	8,373	2,115	1,304	974

Description: The DEA OA System is used to access DEA's information systems, to prepare DEA enforcement and administrative documents, to send secure electronic mail between all DEA domestic offices and to provide local data processing functions. These functions include, data base management, project planning, statistics, graphics, and spreadsheet processing. This system merged into one network and workstation, the functions previously performed by two network, the DEA Automated Teleprocessing System (DATS), and the Secure Teletypewriter System (STS). In addition, the OA System now performs functions previously accomplished be separate pieces of equipment; 3270 DATS terminals, teletypewriters, word processors, and personal computers.

Bureau of Prisons

Item: ADP & Telecommunications

Obligations:

1990	1991	1992	1993	1994	1995
2,858	1,680	1,680	1,680	1,680	1,680

Description: Capital Investments of $1,105,000 in 1990 will provide modems, communications processor upgrades, and the switching mechanisms necessary to accommodate the conversion to an FTS-2000 point-to-point SENTRY network.

Item: Voice Communications

Obligations:

1990	1991	1992	1993	1994	1995
2,167	2,167	2,167	2,167	2,167	2,167

Description: Includes $800,000 per year to purchase PABX equipment, $859,000 for lease of PABX equipment and $508,000 for operations and maintenance.

Immigration and Naturalization Services

Decision Unit: 3220

Item: AISCAP

	1990	1991	1992	1993	1994	1995
Obligations:	0	75	3,350	2,600	2,400	2,400

Description: Costs represent purchase of equipment, operations and maintenance and systems analysis and programming.

Item: ADPE

	1990	1991	1992	1993	1994	1995
Obligations:	2,445	2,897	5,140	5,275	5,374	5,374

Description: Costs represent purchase of equipment and operations and maintenance.

Item: FOS

	1990	1991	1992	1993	1994	1995
Obligations:	1,306	1,847	1,840	1,912	1,987	1,987

Description: Costs represent operations and maintenance.

Item: Software

	1990	1991	1992	1993	1994	1995
Obligations:	768	768	922	922	922	922

Description: Costs represent software contract management and studies.

Item: INFO

	1990	1991	1992	1993	1994	1995
Obligations:	125	319	1,275	1,275	1,275	1,275

Description: Costs represent purchase of equipment and software, and studies.

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
0	0	6,500	11,800	11,800	11,800

Description: Costs represent purchase of equipment and software, and studies.

Item: INSINC

Obligations:

1990	1991	1992	1993	1994	1995
4,765	3,000	8,700	8,500	8,500	8,500

Description: Costs represent leased telecommunications services and studies.

Item: CADRE

Obligations:

1990	1991	1992	1993	1994	1995
1,443	1,443	5,666	5,666	5,666	5,666

Description: Costs represent purchase of equipment and software, operations maintenance, and systems analysis and programming.

Item: IMAGING

Obligations:

1990	1991	1992	1993	1994	1995
1,031	1,029	5,414	5,381	5,341	5,341

Description: Costs represent purchase and lease of equipment purchase of software, site leases, leased telecommunications, operations and maintenance, systems analysis and programming and other studies.

Decision Unit: 3230

Item: Alien File Accountability Control Systems (AFACS)

Obligations:

1990	1991	1992	1993	1994	1995
1,994	1,876	2,029	949	949	949

Description: Costs represent the purchase of equipment; contractual operations and maintenance; and systems analysis and programming.

Item: Ask Immigration (ASK)

Obligations:

1990	1991	1992	1993	1994	1995
945	1,470	1,620	1,715	1,780	1,780

Description: Costs represent the purchase of equipment and software; operations and maintenance expenses; systems design and engineering; and feasibility studies.

Item: Records Technology Workbench (RTW)

Obligations:

1990	1991	1992	1993	1994	1995
740	1,745	1,790	1,790	1,790	1,790

Description: Costs represent the purchase of equipment and software; system operations and maintenance expenses; systems design and engineering.

Adjudications Reimbursable Accounts

Item: EAD

Obligations:

1990	1991	1992	1993	1994	1995
0	4,950	500	500	500	500

Description: Costs represent equipment acquisition, site preparation and systems analysis and programming.

Item: FARES

Obligations:

1990	1991	1992	1993	1994	1995
2,900	500	700	580	580	580

Description: Costs represent purchase of equipment, and systems analysis and programming.

Item: ICF

Obligations:

1990	1991	1992	1993	1994	1995
50	5,470	8,635	8,635	8,635	8,635

Description: Costs represent purchase and lease of equipment, supplies, operations and maintenance, systems analysis and programming, and other studies.

Item: INSINC

Obligations:

1990	1991	1992	1993	1994	1995
735	2,667	2,667	2,667	2,667	2,667

Description: Costs represent operations and maintenance.

Item: STSC

Obligations:

1990	1991	1992	1993	1994	1995
927	1,136	1,186	1,236	1,286	1,286

Description: Costs represent operations and maintenance, systems analysis and programming and other studies.

Inspection User Fee

Item: EQUIP MAINT

Obligations:

1990	1991	1992	1993	1994	1995
564	907	1,070	1,143	1,150	1,150

Description: Costs represent operations and maintenance.

Item: INSINC

Obligations:

1990	1991	1992	1993	1994	1995
1,700	1,900	2,000	2,000	2,000	2,000

Description: Costs represent leased telecommunications services.

Item: NAILS

Obligations:

1990	1991	1992	1993	1994	1995
1,962	1,852	2,492	2,132	1,772	1,772

Description: Costs represent purchase of equipment, operations and maintenance, and systems analysis and programming.

Item: NIIS

Obligations:

1990	1991	1992	1993	1994	1995
10,650	13,500	13,000	13,000	13,000	13,000

Description: Costs represent operations and maintenance, systems analysis, programming and engineering, data entry and other studies.

Legalization

Item: ICF

Obligations:

1990	1991	1992	1993	1994	1995
1,300	7,400	0	0	0	0

Description: Costs represent operations and maintenance, and systems analysis and programming.

Item: LAPS DATA ENTRY

Obligations:

1990	1991	1992	1993	1994	1995
10,800	8,426	0	0	0	0

Description: Costs represent data entry contract activities.

Office of Justice Programs

Item: NIJ Research and Administration

Obligations:

1990	1991	1992	1993	1994	1995
823	878	921	965	1,003	1,057

Description: Departmental goal supported is to develop improved methods of dealing with major criminal justice problems. Organizational program goals supported are to sponsor research on criminal behavior and criminal justice operations; promote positive change in criminal justice practices. Organizational strategies and supporting objectives are to develop and enhance data processing capabilities in order to administer and perform mission related activities; improve word processing and grant administration capabilities; support expanded in-house research program needs for statistical analysis and report production. Project benefits are improved management effectiveness and increased employees productivity, enhanced access to administrative and program records, higher quality products.

Civil Division

Item: AMICUS

Obligations:	1990	1991	1992	1993	1994	1995
	7,932	8,805	8,945	9,061	18,479	9,503

Non-Civil Division

Obligations:	1990	1991	1992	1993	1994	1995
	3,143	3,143	3,193	3,235	2,414	0

Description: The Civil Division's Automated Management Information Civil Users System (AMICUS) is a fully integrated law office automation system. AMICUS provides modern office automation tools to assist Civil Division attorneys, managers and support staff in document production, information retrieval, information transfer, information analysis and activity management. Through AMICUS attorneys and paralegals have immediate access to JURIS, WESTLAW and other specialized data bases.

Item: Automated Litigation Support

Obligations:	1990	1991	1992	1993	1994	1995
	19,887	21,597	21,793	21,955	22,094	22,234

Non-Civil Division

Obligations:	1990	1991	1992	1993	1994	1995
	9,332	9,332	9,332	9,332	9,332	9,332

Description: Automated Litigation Support (ALS) refers to an array of contractor-provided services which enable attorneys to manage and control case-related information. ALS utilizes computer and micrographic technologies to acquire, organize, screen, microfilm, reproduce, code, key, computerize & research evidentiary document collections associated with major litigation. ALS provides the services & technology required by major litigations for document discovery and acquisition, document computerization, case tracking, document centers and deposition and trial support.

Item: **Management Information**

Obligations:

1990	1991	1992	1993	1994	1995
1,769	2,234	2,236	2,268	2,318	2,365

Description: Our automated management information and support systems provide managers, attorneys and other staff with accurate and timely data on the status of Division cases and the use of attorney resources. The various systems also support applications for managerial functions including program planning, evaluation and budget development.

Item: Data Communications

Obligations:

1990	1991	1992	1993	1994	1995
2,633	2,580	2,621	2,655	6,377	3,720

Non-Civil Division

Obligations:

1990	1991	1992	1993	1994	1995
1,047	1,047	1,064	1,078	804	0

Description: Data communication is accomplished through the operation of two local area networks (LANs). The LANs provide an electronic communications framework for the AMICUS system, providing a common medium for accessing AMICUS workstations, legal research and other data bases and management information systems. In addition, the LAN provides communication links between the Division's Washington, D.C. locations and its three field offices as well as with several other Department components.

Land and Natural Resources Division

Item: Automated Litigation Support (LSUP)

Obligations:

1990	1991	1992	1993	1994	1995
17,007	19,977	20,522	21,580	22,584	22,584

Description: Through Automated Litigation Support, the Division provides services to assist attorneys in acquiring, screening, analyzing and organizing evidentiary and other documents to prepare and conduct trials. Services are currently provided under two competitively procured contracts with Acumenics Research and Technology Inc. and Aspen Systems. Litigation support services are expected to increase dramatically from 1990 through 1995, in part due to Exxon-Valdez Oil Spill. Litigation of this case will be extremely complex and a number of difficulties promise to compound the task ahead. For example, logistical problems given locale and associated travel; jurisdictional complexities posed by involvement of six cabinet agencies (Agriculture, Commerce, Defense, Interior, Justice and Transportation), the EPA, FEMA and the State of Alaska and its affected citizenry and disputes regarding litigation strategy, extent of liability for cleanup costs; etc. Use of automated litigation support is absolutely essential in complex trials and the Exxon-Valdez. The civil aspect of the investigation, i.e, to insure an adequate cleanup; ensure that the costs of cleanup are borne by Exxon, and to restore damaged natural resources to the extent possible will also be resource intensive. In addition, hazardous waste (Superfund) cases continue to be the largest group receiving support. Non-hazardous waste type cases receiving support include land claim cases (Guam), Indian claims cases (Minnesota Chippewa and Jessie Short) as well as Federal facilities cases (Rocky Mountain Arsenal). Some costs for litigation support will be reimbursable by the referring agency.

Item: Case and Management System (CTMS)

Obligations:	1990	1991	1992	1993	1994	1995
	764	1,368	1,281	492	492	492

Description: The Division's four separate management information systems will be incorporated into one integrated Case and Time Management System beginning in 1990. Therefore, costs associated with the current systems and the proposed new system have been combined for this presentation. The CTMS will unify all of the Division's information management systems to coordinate administrative policy development and implementation, assure consistency with overall Department policy, provide effective program planning through the use of attorney time, caseload and related statistics, and through management and organization studies; and ensure that use of attorney, paralegal and support personnel resources are effectively allocated according to Division priorities. Because only half of the necessary funding for full implementation was made available in 1990, the Division will phase in the new CTMS system over a two year period.

Civil Rights Division

Item: Litigation Support

Obligations:	1990	1991	1992	1993	1994	1995
	2,371	2,976	2,091	2,091	241	141

Description: Funds for 1990 through 1993 reflect the utilization of contractor support and services to meet the goals of the Office of Redress Administration. Additionally, funds for 1991 reflect the purchase of new equipment and materials consistent with program enhancements for the Voting, Housing and Civil Enforcement and Management and Administration programs.

Criminal Division

Item: Office Automation

Obligations:	1990	1991	1992	1993	1994	1995
	1,979	2,715	2,596	2,603	2,788	2,800

Description: In 1990, the Criminal Division will continue to implement the multi-organizational, integrated office automation system - Project Eagle. Project Eagle provides the Criminal Division, and the other investigating organizations with the same benefits as those enjoyed by the users of the Department's other multi-organization, integrated office automation system - AMICUS. These benefits include standardized word processing; electronic mail and document transfer; electronic calendars; on-line access to automated legal research tools, such as JURIS, LEXIS, NEXIS, WESTLAW, LEGI-SLATE, and special JURIS files used for litigation support; direct access to the Division's computers for case management/tracking and correspondence control; and new data base management tools for the professional staff through a single terminal/personal computer located on the desk of each Division employee, or through portable terminals networked to Project Eagle from wherever the employee may be working.

Presently, the Division has one (1) Project Eagle system installed and one (1) additional system in the implementation stage. The two (2) systems will support 270 employees.

By the end of FY 1991, the Criminal Division will complete the installation of Project Eagle by phasing out the last of its stand-alone word processors and outdated personal computers acquired since 1975.

The costs for office automation in the Criminal Division include Project Eagle equipment rentals, purchases, maintenance, support services and studies.

Item: Management Information

Obligations:

1990	1991	1992	1993	1994	1995
273	767	883	798	798	798

Description: The Criminal Division, having upgraded its legal and management information computer equipment in 1989, with the acquisition of an IBM AS/400 midrange system to supplement the aging System/38, will expand the current 16 applications now available on those systems to 20 by the end of 1990. The management information systems contain descriptive information on all cases and matters for which the Criminal Division is responsible. They afford Division managers the opportunity to ascertain the status of current cases and matters and provide them with a more complete and reliable data base with which to evaluate performance and to plan future requirements. The systems also track individual items of correspondence from receipt to final response, providing all interested parties with an immediate report on the status and location of all correspondence.

Foremost among the new applications will be an automated timekeeping system for tracking the work activities of the Division's professional staff. Also in 1990, the Criminal Division will expand litigation support activities to the Dallas Field Office, which is handling burdensome "savings and loan" fraud cases. To support several commercial software products required for ongoing sensitive investigations, the AS/400 will require a memory expansion. In 1991, the Division plans to replace the System/38 with a second AS/400 for backup and further expansion of its litigation support activities. The cost for Management Information Systems in the Criminal Division includes equipment rentals, purchases, and maintenance. Support services and studies costs have also been included.

Antitrust Division

Item: Automated Litigation Support (LITCASE & LITINVES)

Obligations:

1990	1991	1992	1993	1994	1995
1,394	1,504	1,563	1,669	1,624	1,629

Description: Automated Litigation Support (ALS) can best be described as a collection of tools and practical techniques designed to assist the Division's attorney staff in reaching decisions relating to litigation, and in managing the evidentiary materials and data associated with a particular case or investigation. To support its mission, the Division continues to use and apply sophisticated ALS techniques along with the latest computer technology to support major investigations and cases that require economic analysis, legal research, and document indexing. With the increasing technological sophistication of both Division staff and the business world in general, the computer is key to managing information from the variety of sources necessary to conduct investigations. The planned level of expenditures listed in the table above are for government and contractor services required to provide ALS to the Division's professional staff. The set of contractor services required depends upon the nature of the case or investigation. The support services provided by the contractor staff are necessary to meet the Division's ALS requirements and are generally required in the early stages of the development of a new civil, criminal, or grand jury matter. The processing of machine readable discovery data and the full range of case specific litigation support services are provided to Division attorneys and economists under this item. The services include support to copy or file source documents, organize documents, design data base structures, analyze data, provide access to legal and economic data bases, and produce summary reports. Contractor support is also used extensively in investigations and cases requiring economic analysis, legal research, and correlation of data.

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
2,160	2,246	2,373	2,534	2,683	2,846

Description: The Division, by following a careful and controlled implementation schedule, now has fully configured Wang VS systems operating in the Main Justice Building, the Judiciary Center Building, and in each of the seven field offices. These systems are connected by a WangNet LAN and by an electronic mail system. This configuration provides the Division access through a single multifunctional workstation to a wide range of productivity tools including word processing, electronic mail, time management, external databases for legal research and economic analysis, graphics capabilities, and statistical and spreadsheet software.

Additionally, through the application of these productivity tools, the information handling capabilities of the current minicomputers has increased to permit more of the large-scale processing functions previously performed at mainframe data centers to be performed in-house. Increases in the processing capabilities of the Division's current minicomputers has resulted in a total integrated office systems environment, a savings of information processing costs, and has provided more control and responsiveness to Division needs. Every employee in the Division has a workstation on their desk, enabling them to perform a wide variety of information handling tasks.

Executive Office for Immigration Review (EOIR)

Item: Automated Nationwide System for Immigration Review (ANSIR)

Obligations:	1990	1991	1992	1993	1994	1995
	4,624	4,872	4,872	4,872	4,872	4,872

Description: Funds will be used to acquire hardware and software resources and to perform building modifications to accommodate the ANSIR system. Equipment was originally leased under the terms of the original ADP Services contract. All equipment will be owned by the Government by the end of FY 90. EOIR will not lease any equipment in FY 91-95. ANSIR is a management information system. It was designed primarily as a case tracking system that would also be able to utilize the same hardware and provide the word processing, electronic mail, legal research, and access to JMD database applications for all EOIR employees. The Headquarter's configuration includes several WANG 7000 series VS minicomputers. The field offices have smaller WANG VS minicomputers. The peripheral equipment is comprised of workstation, printers, personal computers, telecommunication devices, and disk drives. EOIR originally contracted for the design, engineering, analysis, programming and maintenance of the ANSIR system. In FY 90 a new contract will be awarded to provide software/hardware maintenance, user support and custom software development.

United States Marshals Service

Item: District Automation Project

Obligations:	1990	1991	1992	1993	1994	1995
	983	2,408	1,783	1,783	1,783	1,783

Description: After the core equipment purchase and installation in FY 89/90, the USMS plans to upgrade and expand the main processors and add letter quality laser printers to all District offices. This is in anticipation of upgrading and enhancing the (DAS, PPMS and SAMS) software. We anticipate networking the largest districts, adding security with dial back modems, and providing office automation software. This should allow the current district computer configuration to take the USMS well into the FY 1990s.

Item: Offender Based Information System

Obligations:	1990	1991	1992	1993	1994	1995
	1,875	1,875	1,175	900	900	900

Description: The Offender Based Information System (OBIS) combines three separate applications to develop one comprehensive application with which to track Federal prisoners. This application will not only include all the functional aspects of the Prisoner program but take advantage of the latest technology such as digital transmission of electronic fingerprints and photo imaging storage, retrieval and transmission.

Item: Headquarters Support System

Obligations:

1990	1991	1992	1993	1994	1995
667	1161	770	670	670	670

Description: Headquarters Support System is the exhibit that encompasses all ADP activities not currently covered by 43A and B exhibits. This ranges from applications support, telecommunications, FMIS and all personal computers (both hardware and software).

The computer equipment that supports a variety of Headquarters' applications will be replaced in FY 91. The existing standalone PCs will be networked together using the current wiring configuration along with procuring file servers for Divisional LANs.

Federal Bureau of Investigation

Item: Resource Management System (RMS)

Obligations:

1990	1991	1992	1993	1994	1995
6,199	5,669	10,112	14,092	15,904	15,133

Description: Capital investment funding in 1990 will be used to meet data base, software and disk storage and decision support requirements. Efforts were initiated in 1986 for a Personnel/Payroll/ Decision Support expert system. Continued development of this system requires funding over a multi-year period. This expert system will aid various levels of FBI management in resource planning and allocation. The expert system will also assist FBI managers in the identification of optimal strategic and tactical courses of action when faced with emergency/crisis situations.

Item: Intelligence Information System (IIS)

Obligations:

1990	1991	1992	1993	1994	1995
8,459	5,223	11,663	17,637	15,942	15,164

Description: Capital investment funding in 1990 will be used to acquire workstations and printers, to meet software and security equipment requirements, and to continue the development of expert systems to support labor racketeering, counter terrorism, generic name search, and the subject identification system. Most expert system efforts will be continued in 1990. A new AI initiative will begin in 1991 involving crime scene analysis with DNA emphasis.

A second new AI initiative will begin in 1991 involving white collar crime. Funding for these efforts will continue through the outyears.

Item: Automated Records Management System (ARMS)

Obligations:

1990	1991	1992	1993	1994	1995
926	898	1,727	2,479	2,785	2,663

Description: Capital investment funding for 1990 and 1991 is for the acquisition of intelligent workstations. This also includes funding for lease and maintenance of ARMS equipment.

Item: Automated Identification System (AIS)

Obligations:

1990	1991	1992	1993	1994	1995
13,489	9,764	33,492	21,524	21,524	32,782

Description: In an effort to provide a more timely response to fingerprint card and related document requests, a program to automate the fingerprint identification process began in 1973 with the Automated Identification System - Phase I (AIS-I). The program required three phases to complete, with each building on the accomplishments of the previous phase. The final phase, AIS-III, has been in the development stage since January 1985. Delays from the originally scheduled implementation date of December 1988 until March 30, 1989 occurred because the contractor having fallen behind schedule in the development of the software for AIS-III. To allow the contractor sufficient time to analyze the system test results and to resolve existing problems, the implementation date was further delayed. Transitional efforts have now been completed, and on June 4, 1989, the AIS-III was implemented. AIS will allow for increased processing capabilities without significant personnel increases (not to exceed 1985 baseline direct workyears). Quality will improve overall and response output time will eventually be lowered to one workday.

Item: National Crime Information Center (NCIC)

Obligations:

1990	1991	1992	1993	1994	1995
3,018	3,208	22,448	29,092	24,865	14,679

Description: In 1986 a contract for $4,155,000 was let for a study to be conducted by the MITRE Corporation which identified functional requirements of the NCIC through the year 2000. Results from this study have been evaluated and a request for proposal for a new system is currently being prepared. Additional funding is needed in outyears to complete the redesign of the system. Software development activities related to NCIC 2000 commended in 1988 with in-house personnel. Outside expertise will be required to complete the systems work. It is anticipated that contractual development will begin in FY 1992. This new-generation system will have embedded system capabilities.

Item: Phones

Obligations:

1990	1991	1992	1993	1994	1995
15,777	21,886	22,942	23,928	24,957	25,405

Description: Funding will allow the FBI to lease telecommunications services and operations and maintenance for FBI telephones.

Item: Field Office Information Management System (FOIMS)

Obligations:

1990	1991	1992	1993	1994	1995
41,865	46,227	146,176	156,421	70,620	69,343

Description: By June 1988, baseline FOIMS capabilities were provided to all field offices. All resident agencies will have baseline capabilities by the end of 1989. The FBI will continue renovation of field office space; conduct architectural and engineering efforts for a third regional computer support center; acquire hardware, software, and communications equipment; and, provide workstations and printers to the field offices. It is anticipated that construction of the third regional computer support center will commence in 1991.

It is also anticipated that site selection and architectural and engineering services for the fourth regional computer support will be completed in 1992, and construction of the facility will begin in 1993.

Item: Communications

Obligations:

1990	1991	1992	1993	1994	1995
17,432	18,028	30,692	31,232	28,194	32,199

Description: Funding will allow for the development and installation of the Computer Applications Communications Network (CACN), Secure Automated Message Network (SAMNET), and the Headquarters Local Area Network (HQLAN). Funding will also allow the lease of equipment and services to support the FBI's secure and commercial telephone requirements.

Item: Criminal Law Enforcement System (CLES)

Obligations:

1990	1991	1992	1993	1994	1995
9,136	13,832	14,066	17,526	21,818	15,526

Description: Funding will allow for the migration of the Organized Crime Information System (OCIS) from the GIM-II environment to an ADABAS environment. This also includes funding for lease and maintenance of OCIS resources. Funding also represents the acquisition of resources to support the development and implementation of a Drug Information System (DIS).

Working Capital Fund (WCF)

Item:
Information and Administrative Services Staff
Justice Computer Service - Dallas

Obligations:	1990	1991	1992	1993	1994	1995
	4,735	5,042	5,281	5,532	5,796	6,072

Description: This reflects the ongoing operational data center with processing and disk storage capacity growth in the out years. The data center was relocated during FY 1988 to a government-owned building. The new location is a 40,000 sq. ft. state-of-the-art center complete with an Uninterruptible Power Source and backup generation capability. The site should provide the necessary capacities for the coming decade.

Item:
Office of Information Technology
Justice Telecommunications Service (JTS)

Obligations:	1990	1991	1992	1993	1994	1995
	16,412	16,952	18,261	19,335	20,436	21,457

Description: Changes in the telecommunications and ADP industries, along with the replacement of antiquated systems and equipment with current technology (under guidelines established by the Competition in Procurement Act), have contributed to a steady increase of expenses for information services and equipment. The Department of Justice (DOJ) has undertaken initiatives to increase levels of service, meet new user requirements, and keep pace with technology. These initiatives include a major effort to consolidate data communications facilities in order to gain the advantages of new technologies and economies of scale. The JTS implementation of FTS2000 will also accelerate the consolidation of both inter-city voice and data services. During FY 1990 and 1991, the JTS will replace the Departmental Washington, D.C. Centrex Telephone System with a digital, integrated voice and data Private Branch Exchange (PBX). The replacement telephone system includes a System Management Center which will facilitate management and control of telephone services, resources, and assets. Other programs include implementation and management of network management for LAN services, voice mail service, and a Telecommunications Management Information System which will significantly improve billing and chargeback capabilities.

The projects outlined above, along with a projected 12 percent per annum increase of service requirements throughout DOJ, will require JTS to increase current staffing levels by at least 32.4 percent. The funding for FY 1989 through 1995 is for growth, operating expenses, and recurring maintenance.

Item: **Information and Administrative Services**
Justice Computer Service - Washington

Obligations:

1990	1991	1992	1993	1994	1995
25,935	26,645	28,981	39,926	30,768	32,281

Description: The Computer Technology and Telecommunications Staff (CTTS) operates two data centers in support of the information processing requirements of its customers. The CTTS is responsible for providing facilities, equipment, and Automatic Data Processing services in support of the litigation, law enforcement, custody, immigration, management/administrative missions of the Offices, Boards, Divisions and Bureaus of the Department. The data center in Washington, DC was relocated to the suburbs during late FY 1989. Renovations made before the relocation included raised flooring, sprinkler system, smoke and fire detection and some minor office space renovations. This facility is required to accommodate the large scale processing associated with the expanding user requirements. Future renovations include process-type air conditioning upgrade, Uninterruptible Power System upgrades, and back-up electrical generation capability. The estimated cost of these renovations is $10 million and is included in the obligations for FY 1991 through 1994. After the renovations are complete, the facility will provide a reliable source of information processing for departmental components for the foreseeable future.

The Department awarded a competitive contract to augment, on an interim basis, the hardware equipment configuration to satisfy the necessary customer growth requirements. Included in the obligations for FY 1990 through 1992 are the costs for this central processing unit (CPU) equipment lease. All CPUs will be replaced through a competitive contract anticipated to be awarded in FY 1992.

In 1986, the Department awarded a competitive contract to provide the necessary disk data storage device configurations to satisfy the customer growth until 1991. FY 1990 through 1991 include growth of the lease requirements for these devices. The process to acquire replacement equipment through a competitive contract was started in FY 1990.

Item: Information and Administrative Services Staff
Automated Legal Research and Litigation Support

Obligations:

1990	1991	1992	1993	1994	1995
4,426	4,426	4,426	4,426	4,426	4,426

Description: The Working Capital Fund components of the Litigation Systems Staff (LSS) have a number of information technology responsibilities. Those long-term responsibilities include Justice Retrieval and Inquiry System (JURIS), data base acquisition and enhancements, documentation of the system, and data conversion including the keying and scanning of data for JURIS and litigation support projects.

Item: Information and Administrative Services Staff
Office Automation Services

Obligations:

1990	1991	1992	1993	1994	1995
992	992	992	992	992	992

Description: These obligations represent contracts for litigation and general micrographics support services that are available to departmental and non-DOJ organizations. These services are provided on a reimbursable basis through the Working Capital Fund.

Item: Information and Administrative Services Staff
Systems Development Services

Obligations:

1990	1991	1992	1993	1994	1995
14,209	14,209	14,209	14,209	14,209	14,209

Description: Obligations under the Commercial Services category are for a broad range of contractor-provided systems development services available to organizations through the use of task orders. These services are obtained on a reimbursable basis through the Working Capital Fund. They include systems analysis, design and engineering, office automation support and other related services.

Federal Prison Industries

Item: Automated Production Evaluation Control System (APECS)

Obligations:

1990	1991	1992	1993	1994	1995
1,041	932	634	100	100	100

Description: Manufacturing support system.

Item: Standard Industries System (SIS)

Obligations:

1990	1991	1992	1993	1994	1995
3,663	4,586	4,325	2,939	3,160	3,039

Description: Installation, purchase, and maintenance of SIS hardware and off-the-shelf software.

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
984	657	740	792	867	933

Description: Microcomputer hardware and software to support word processing spreadsheet, and data base applications.

Item: ADP and Telecommunications Support

Obligations:

1990	1991	1992	1993	1994	1995
2,606	2,700	2,881	3,456	3,212	3,419

Description: Computer operations, communications network, customer and systems support, and CAD/CAM.

Executive Office for United States Trustees

Item: Automated Case Management System (ACMS)

Obligations:

1990	1991	1992	1993	1994	1995
2,633	2,498	2,652	2,814	2,955	3,145

Description: The Automated Case Management System (ACMS) is designed to be installed in U.S. Trustee offices nationwide to provide an efficient and cost-effective system for word processing, caseload management, financial analysis and monitoring of fee collections. The ACMS operates on IBM System 36 central processing units located in 31 offices and is available to other offices through a dataline network.

Executive Office for United States Attorneys

Item: Case Management System

Obligations:

1990	1991	1992	1993	1994	1995
5,430	1,265	581	588	594	594

Description: Lease and maintenance of minicomputers and microcomputers for case management. Includes the cost for LANIER and PRIME contract equipment, other word processing and computer equipment, and commercial services.

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
8,420	8,383	7,473	9,259	9,334	9,334

Description: Purchase, lease and maintenance of word processing equipment. Includes the cost for LANIER contract equipment and other word processing and computer equipment.

Item: Telecommunications

Obligations:

1990	1991	1992	1993	1994	1995
3,770	3,932	3,990	4,037	4,076	4,076

Description: Telecommunications costs.

Tax Division

Item: Automated Litigation Support

Obligations:

1990	1991	1992	1993	1994	1995
250	3,905	4,290	4,724	5,663	6,805

Description: The Division intends to implement a modest automated litigation support program in 1990. This program will provide for the comprehensive review and analysis of evidentiary materials in preparation for trial; issues indexing and cross-referencing; and efficient document production and retrieval. The Division heretofore has been requested to litigate several voluminous cases involving reams of documents without the benefit of this crucial legal research tool. The 1990 program initiative will enable the Tax Division to obtain contractor services to provide automated litigation support so that our attorneys will be better able to manage the several large, document and dollar intensive cases currently in litigation.

The 1991 budget request now pending before the Congress includes $3.9 million to expand significantly the Division's automated litigation support program. If approved, we intend to apply $200,000 to criminal tax enforcement cases, particularly in the area of financial fraud and the savings and loan financial institutions crisis. The remainder, $3.7 million, will be applied to the 25-35 large document and dollar intensive cases anticipated in the civil tax enforcement area. As our caseload continues to increase and grow more complex, the Division intends to expand the automated litigation support program provided to our attorneys. In sum, Tax Division attorneys can only remain competitive with opposing private counsel if this critical legal research tool is made widely available.

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
385	567.5	605	645.3	688.6	735.2

Description: Office automation funds from the Tax Division's appropriated account, in conjunction with funding provided by the General Legal Activities (GLA) Office Automation Fund, will ensure the successful transition to, and implementation of, the uniform office automation system, EAGLE. Additional appropriated funding is required due to the competing demands on the limited GLA Office Automation Fund. With these additional appropriated funds, the successful installation of the EAGLE office automation system will be ensured. As a result, the Tax Division will, for the first time, be brought into the sophisticated technological environment of the 1990s.

General Legal Activities

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
13,870	17,621	3,054	2,447	1,200	1,229

Description: The identified resources represent the acquisition of equipment, software and services for the litigating components office automation initiatives, chiefly for items from the EAGLE contract.

DEPARTMENT OF LABOR

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Labor Statistics

Item: Remote Batch and Teleprocessing Services Contract

Obligations:	1990	1991	1992	1993	1994	1995
	6,185	6,401	6,625	6,857	7,097	7,345

Description: Provides time-sharing services for the data processing required for the Consumer Price Index (CPI), Producer Price Index (PPI), Employment Cost Index (ECI), Consumer Expenditure Survey (CES), and other programs.

Item: BLS Communications Network

Obligations:	1990	1991	1992	1993	1994	1995
	910	942	975	1,009	1,044	1,081

Description: Provides computer and telecommunications equipment and services as well as keypunch services which enable BLS Headquarters in Washington to maintain automated data transmissions with the eight BLS Regional Offices.

Item: ADP Telecommunications and Data Entry Services

Obligations:	1990	1991	1992	1993	1994	1995
	756	782	809	837	828	857

Description: Provides data entry, facilities management, and ADP support staff services. Data entry involves transcription of collection schedule data into machine readable format by three contractors. Facilities management involves four RJE sites linked to computer centers at NIH and Boeing. ADP support staff perform liaison services for all statistical studies and surveys conducted by the Bureau.

Office of Assistant Secretary for Administration and Management - Directorate of Information Resources Management

Item: ADP Services Recompetition

Obligations:

1990	1991	1992	1993	1994	1995
2,845	2,748	3,500	3,500	3,500	3,500

Description: Data processing services, LAN installation, telecommunications, office automation and customer service.

The new department-wide data communications contract.

Employment Standards Administration - Office of Workers' Compensation Programs, Federal Employees' Compensation Program (FEC)

Item: FEC Data System Enhancement Project (FDSEP)

Obligations:

1990	1991	1992	1993	1994	1995
7,292	6,830	7,891	8,159	8,412	8,648

Description: The phased replacement of the existing FEC system is known as the FEC Data System Enhancement Project (FDSEP) and will be implemented in two stages. The first phase consists of replacement of the present Four-Phase equipment with a system complying with the POSIX standard for computer operating systems and conversion of existing applications software to run in the new environment. Specifications of the POSIX environment will permit ESA to accelerate the process of conversion and serve to protect ESA's investment in the software of the converted and enhanced systems. Conversion will take place in FY 1990.

Once the converted applications software is operational on the new system, ESA will begin the second stage of enhancing its applications software supporting the FEC program, with emphasis on using commercially available software where applicable and limiting custom development of enhanced applications to unique functions. The enhanced software capabilities will be implemented incrementally in order to minimize risk and maintain a stable software base.

Employment Standards Administration - Office of Workers' Compensation Programs, Black Lung (BL) Program

Item: Black Lung Automated Support System

Obligations:

1990	1991	1992	1993	1994	1995
10,142	9,504	11,510	11,239	11,061	11,173

Description: Black Lung Automated Support System costs are primarily for a facilities management contract with Computer Sciences Corporation (CSC). Under this contract, CSC provides a data processing environment and related support services for the tracking of the program's caseload;

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receipt, evaluation, and payment of medical services bills submitted for payment; payment of monthly benefits; accounting for receipts and disbursements; handling of inquiries by program beneficiaries and medical service providers; and a variety of related support services. The current contract was recently awarded to CSC to extend service through FY 1993. Additional costs are included for related hardware and software.

Employment and Training Administration

Item: Implementation of New Office Automation Technology

Obligation:	1989	1990	1991	1992	1993	1994
	3,354	1,698	1,279	0	0	0

Description: Continued implementation of an initiative begun in FY 1988 for the migration from a CSN-based environment. This initiative will provide efficient program support, recognize and support the development of end user computing, and reduce the dependency for office automation central computing facilities. Funding for this initiative has been adjusted to enable its accomplishment by 1991 as planned, without adversely affecting ETA's ability to meet on-going ADP requirements with reduced obligations initially planned for FY 1990, while FY 1990 and 1991 obligations for FY 1989 shown above include obligations initially planned for FY 1990, while FY 1990 and 1991 obligations have been adjusted to include costs from budget categories not previously included as part of this activity.

Labor Management Services - Pension and Welfare Benefits Administration

Item: ERISA Form 5500 processing system

Obligations:	1990	1991	1992	1993	1994	1995
	10,215	10,623	11,047	11,488	11,947	12,425

Description: This initiative is the PWBA ERISA Information System (EIS) Form 5500 processing system managed by the Internal Revenue Service (IRS) for PWBA. Operations are BY+4.

Item: ERISA Form 5500 access system

Obligations:	1990	1991	1992	1993	1994	1995
	2,730	2,110	2,195	2,283	2,375	2,470

Description: This initiative is the PWBA ERISA Information System (EIS) access system. Operations BY+4.

Item: PWBA program information and support systems

Obligations:

1990	1991	1992	1993	1994	1995
1,750	551	574	600	632	670

Description: These systems are program support systems associated with the enforcement case tracking, regulatory support, reporting and disclosure activities, and administrative functions. Implementation of new and life-cycle systems BY+1. Operations and other life-cycle 1+4.

All of the OLMS' automated systems share Agency office automation resources both in the national and field offices. As a result, it is difficult to differentiate many of the costs between systems.

Item: Data telecommunications

Obligations:

1990	1991	1992	1993	1994	1995
591	595	625	895	939	985

Description: Data Telecommunications capability which connects the MSHA field locations to the central computing facility.

Item: Personal computers and software

Obligations:

1990	1991	1992	1993	1994	1995
1,388	768	614	645	677	711

Description: Microcomputers, peripheral equipment and software to replace aged terminal equipment in field offices as part of the Information Systems Planning Project. Includes CASE workbench tools.

Occupational Safety and Health Administration

Item: Unix Based Multi-User System

Obligation:

1990	1991	1992	1993	1994
0	1525	2200	1800	1200

Description: In Fiscal Year 1991 (FY91), OSHA will begin a three year project for the replacement of existing multi-user systems with new technology UNIX based system.

The systems will be utilized for collection of data and dissemination of statistical information and reports within OSHA. Direct support will be provided to OSHA management, enforcement and voluntary compliance programs. This is accomplished with the support of OSHA's Integrated Management Information System (IMIS) supported by microcomputers in 10 regions, all OSHA field offices and 25 states in the program.

Data collected under the IMIS are translated into report formats which are utilized for policy formulation; development of annual plans; tracking of progress against plans; assessing policy implementation and impact; and producing special reports to respond to inquiries from the Congress, the public and other interested parties.

During the three years, OSHA will focus on the following tasks: conversion of the OSHA Compliance (CPL) application to the new multiuser architecture; development of training courses and preparation of the OSHA training facility; installation of the new systems in selected offices; the design, development and implementation of multiuser cpu; personal computer (PC) and mainframe connectivity; CD-ROM mastering and installation; LAN installation; major software modifications and rewrites; revising and developing necessary documentation; developing and enhancing the system. The latter includes porting a Consulting Data System (CNS) application; exploring new security features; and ensuring connectivity to the CNS with the National database.

Pension Benefit Guaranty Corporation - Data Center

Item: Facilities Management/Maintenance

Obligations:	1990	1991	1992	1993	1994	1995
	2,547	2,619	2,619	2,619	2,619	2,619

Description: Facilities Management/Maintenance provides the technical support on site to the Corporate Computer Center including operators (24 hours), system programmers, computer technicians, computer clerks, etc. It also provides a standard operating environment including necessary systems programming, help desk, production control, tape library, documentation library and procedures required for operation of same. Also included is the maintenance and license agreements on hardware and software utilized by the Corporation.

Pension Benefit Guaranty Corporation - IRM Services

Item: Banking, Check Payments, Reconciliation ADP Services

Obligations:	1990	1991	1992	1993	1994	1995
	2,704	3,200	3,200	3,200	3,200	3,200

Description: The above reflect the ADP costs associated with maintaining bank records, processing checks to participants, and reconciling accounts. The Pension Benefit Guaranty Corporation is responsible for processing payments to over 100,000 persons whose benefit plans have terminated.

DEPARTMENT OF STATE

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Consular Affairs (CA)

Item: Travel Document Issuance System (TDIS)

Obligations:

1990	1991	1992	1993	1994	1995
1,200	1,200	1,200	1,200	1,200	1,200

Description: TDIS was designed to improve the US passport issuance system through automation, provide increased document security, and facilitate replacement of obsolete equipment. The automation process utilizes computerized databases, produces machine readable passports, and compiles management information. TDIS is installed in Miami, Washington, Chicago, Los Angles, San Francisco, New York, Seattle, New Orleans, Boston, Honolulu, and Houston.

Item: Consular Lookout and Support System (CLASS)

Obligations:

1990	1991	1992	1993	1994	1995
1,200	1,000	1,200	1,200	1,000	800

Description: All applicants for passports or visas are checked against the (CLASS) "lookout" file prior to the issuance (or refusal) of the document. CLASS is a state-of-the-art namechecking system that contains state-of-the-art linguistic algorithms for specific languages (Hispanic, Arabic, Chinese), real-time data exchange with other border management agencies, and a test bed facility for linguistics research.

Item: Machine Readable Visas (MRV)

Obligations:

1990	1991	1992	1993	1994	1995
2,300	5,000	16,000	16,700	10,000	10,000

Description: This system is installed in consular sections abroad to control the issuance of nonimmigrant visas. The system allows the creation of a database of applicants, a check to AVLOS (CLASS) database for applicants of record, ensures that only authorized personnel issue visas, and creates applicant statistics. The final product is a secure machine readable visa that incorporates the applicant photograph as an integral part of the visa.

Financial Management and Planning (FMP)

Item: Central Financial Management System (CFMS)

Obligations:

1990	1991	1992	1993	1994	1995
2,549	2,550	2,550	2,550	2,550	2,550

Description: A new primary accounting system, the Central Financial Management System (CFMS) has been partially implemented in the Department. An off-the-shelf software package, the Federal Financial System (FFS), is being used in implementing the Core Financial Systems Requirements and is permitting us to consolidate systems domestically, minimize costs, improve financial controls, enhance our external reporting capabilities, and implement the US Government Standard General Ledger. CFMS will provide for processing of all financial transaction processing capabilities.

Item: Overseas Financial Management System (OFMS)

Obligations:

1990	1991	1992	1993	1994	1995
2,071	2,073	2,073	2,073	2,073	2,073

Description: Conversion of overseas accounting transactions to the Overseas Financial Management System is currently fifty-five percent complete. This subsidiary financial system replaces multiple, non-standard existing systems that do not meet financial systems requirements. Overseas FMS provides relevant financial management information to overseas decision-makers, modernizes labor intensive existing systems, establishes a system with appropriate controls and in accordance with accounting principles and standards prescribed by the Comptroller General, and provides new financial reporting capabilities. With Overseas FMS, the Department provides cross-servicing for most US Government agencies operating overseas.

Information Management (IM)

Item: Classified Information Handling System (CIHS)

Obligations:

1990	1991	1992	1993	1994	1995
3,195	1,600	1,600	1,600	1,600	1,600

Description: The CIHS provides central electronic storage, retrieval and dissemination capabilities for classified information as well as secure word processing capabilities at posts overseas. A related program is the Terminal Equipment Replacement Program (TERP) designed to upgrade receiving, transmitting and storage facilities at embassies and constituent posts.

Item: Foreign Affairs Information System (FAIS)

Obligations:

1990	1991	1992	1993	1994	1995
5,704	8,500	8,500	8,500	8,500	8,500

Description: The Foreign Affairs Information System is a collection of application systems, hardware, systems software and networking. FAIS is a functional architecture which integrates and securely manages all phases of the Department's information life cycle: creation, clearance, approval, dissemination, storage, retrieval, use, reuse and eventual disposition.

Item: Overseas Automation Program

Obligations:

1990	1991	1992	1993	1994	1995
3,230	6,000	6,000	6,000	6,000	6,000

Description: The Department currently has more than 210 minicomputer systems at 90 overseas posts. Funds are required to maintain a minimal program of installing new systems and upgrading existing ones.

Item: Information Management Center, Beltsville,

Obligations:

1990	1991	1992	1993	1994	1995
5,118	5,100	6,000	6,000	6,000	6,000

Description: The Department contracted with the Army Corps of Engineers to construct an addition to the existing Beltsville, Communications Center for an ADP contingency capability. This will alleviate a physical security problem with the Department's main computer complex. Construction has begun, and we anticipate occupancy on/about February 14, 1991.

Item: Overseas Telephone Systems (DOS/TEL)

Obligations:

1990	1991	1992	1993	1994	1995
3,400	2,000	2,500	2,500	2,500	2,500

Description: Voice Operations provides telephone service, equipment, and maintenance to foreign service posts as well as USIS and AID missions. The telephone program provides: guidance/policy, technical assistance, service and support to regional field office and foreign missions, training of new CEP/Ts, replacement parts and equipment, TDY support for the Secretary of State, and maintenance of the Transportable Telephone System, It also provides design engineering, procurement, and installation for new/replacement telephone systems planned for Budapest, The Hague, Warsaw, Bucharest, Bern, Athens, Montevideo, Havana, and Geneva.

Item: **Replacement of Overseas Voice Radio Systems**

	1990	1991	1992	1993	1994	1995
Obligations:	3,800	5,000	5,000	5,000	5,000	5,000

Description: **The Department of State requires a short range (VHF/UHF) and long range (HF) Security and Emergency voice radio system at all foreign service posts. These systems, provided to aid in the protection of American life and property at our overseas missions, require an equipment life cycle replacement program for equipment that is obsolete or past its normal life cycle (eight years) and beyond economical repair. Most equipment in the field is 5-20 years old.**

Intelligence and Research (INR)

Item: Bureau of Intelligence and Research Information Support System (INRISS)

	1990	1991	1992	1993	1994	1995
Obligations:	1,400	1,900	2,965	4,020	2,000	2,000

Description: INRISS will provide the Department with the ability to carry out its responsibility of providing timely intelligence reporting and analysis to the Department's principals.

DEPARTMENT OF TRANSPORTATION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Federal Aviation Administration (FAA)

Item: Office Automation Technology and Services (OATS)

Obligations:

1990	1991	1992	1993	1994	1995
2,000	6,100	6,298	3,111	2,373	2,070

Description: This project is designed to provide an expedient procurement mechanism that will permit standardization of office-based information technology and services throughout the FAA and DOT.

Item: National Airspace Management Automation Program (NASMAP)

Obligations:

1990	1991	1992	1993	1994	1995
10,000	18,670	12,180	11,480	12,610	12,610

Description: The NAS Management Automation Program provides a fully-integrated and standardized automation system which will allow automation access to all automated applications and databases supporting the National Airspace System (NAS).

Item: FAA Management Information System (FAAMIS)

Obligations:

1990	1991	1992	1993	1994	1995
900	1,000	1,000	1,000	1,000	1,000

Description: The FAAMIS program is the development and implementation of integrated management and executive information system for use agency-wide. The objective is to provide coherent, complete and timely information resources to be used by managers and analysts in developing plans and managing programs.

Item: Aviation Safety Analysis System (ASAS)

Obligations:

1990	1991	1992	1993	1994	1995
16,484	32,498	58,000	52,590	52,070	50,500

Description: ASAS is a comprehensive set of information systems designed to provide direct support to activities under the Executive Director for Regulatory Standards and Compliance. The ASAS program provides for the capture, dissemination, and analysis of a wide range of safety related data, and to improve and enhance the agency's aviation safety mission.

Item: Instrument Approach Procedures Automation (IAPA)

Obligations:

1990	1991	1992	1993	1994	1995
5,196	5,666	6,002	6,295	6,617	6,960

Description: This system is a mainframe based, interactive graphics system used by the FAA for the development of Standard Instrument Approach Procedures (SIAP).

Item: Computer Resource Nucleus Program (CORN)

Obligations:

1990	1991	1992	1993	1994	1995
8,574	25,000	62,600	100,100	76,600	110,600

Description: CORN will provide, under a single integrated contract, the administrative data processing capabilities for all general host computer services necessary to operate management information systems throughout the FAA.

Item: Logistics Inventory System (LIS)

Obligations:

1990	1991	1992	1993	1994	1995
2,105	2,273	375	375	375	375

Description: LIS will accomplish the development and automation of: provisioning; project materiel management; receiving materiel; storage management; replenish facility; distributing materiel, utilization, screening, and disposal; inventory management; quality assurance, cataloging; production control; and engineering services.

Item: National Airspace Information Monitoring System (NAIMS)

Obligations:

1990	1991	1992	1993	1994	1995
1,700	2,795	3,410	2,640	2,640	2,550

Description: NAIMS has been developed under Dbase III Plus to track and analyze near midair collisions, operational error and deviations, pilot deviations and runway incursion incidents.

Item: National Aviation Safety Data Center Program (NASDC)

Obligations:

1990	1991	1992	1993	1994	1995
1,445	2,920	2,920	2,920	2,920	2,909

Description: The National Aviation Safety Data Center Program consists of 63 nationwide safety data bases. The Associate Administrator for Aviation Safety (ASF) will task FAA system managers with the responsibility to provide accurate and complete information according to ASF Quality Control Standards.

Federal Highway Administration (FHWA)

Item: Federal-Aid Highway Program

Obligations:

1990	1991	1992	1993	1994	1995
2,646	2,778	2,917	3,063	3,217	3,378

Description: The FHWA will use contractor supplied systems analysis and programming services in place of in-house personnel. The services will be used for systems development and maintenance.

Item: Federal Lands Highway Engineering

Obligations:

1990	1991	1992	1993	1994	1995
1,729	1,701	1,809	1,962	1,577	1,577

Description: The administration plans to enhance the engineering capability of its Eastern, Central and Western Federal Lands Highway Offices. This involves upgrading the existing automated engineering system.

Item: Motor Carrier Safety

Obligations:

1990	1991	1992	1993	1994	1995
600	902	1,275	1,375	1,475	1,550

Description: Motor Carrier Safety Program will use contractor supplied systems analysis and programming services in place of in-house personnel. The services will be used for systems development and maintenance.

Federal Railroad Administration (FRA)

Item: Office of Safety - Railroad Safety Information System (RSIS)

Obligations:

1990	1991	1992	1993	1994	1995
1,469	1,441	1,450	1,455	1,457	1,460

Description: In order to process the large volume of data generated by the information collection activity and to perform analyses of it, the Systems Support Division (SSD) of the Office of Safety (OS) maintains and operates the RSIS.

Maritime Administration (MARAD)

No major acquisitions are planned.

National Highway Traffic Safety Administration (NHTSA)

Item: NHTSA Data Center Operations

Obligations:

1990	1991	1992	1993	1994	1995
1,080	1,240	1,350	1,280	1,290	1,295

Description: The Center and the VAX cluster maintains three major databases for the Office of Crashworthiness Research (OCR). The Data Center is managed by in-house staff with all administration and technical support provided under a support contract. NHTSA is planning to replace the VAX 11/780 in FY 1992; it will be replaced by Micro VAXs clustered with the VAX 8350.

Item: National Accident Sampling System (NASS) Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,045	1,255	1,098	1,153	1,211	1,272

Description: The system supports a program established in 1979 as part of a nationwide effort to reduce motor vehicle crashes, injuries, and deaths. NASS database contains detailed traffic accident data on a representative random sample of more than 60,000 minor, serious, and fatal accidents.

Item: National Driver Register System Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
3,619	5,200	5,800	6,900	6,910	7,000

Description: NHTSA will conduct a study to consider funding alternatives in light of the increased usage and rapidly spiraling time sharing costs.

Item: Fatal Accident Reporting System (FARS)

Obligations:

1990	1991	1992	1993	1994	1995
1,165	778	817	858	901	1,245

Description: FARS is a census of data on all fatal traffic accidents within the 50 States, the District of Columbia, and Puerto Rico. Funds will support the operation and maintenance of the system.

Office of the Inspector General (OIG)

No major acquisitions are planned.

Office of the Secretary of Transportation (OST)

Item: Central Processing Unit (CPU) Upgrade

Obligations:

1990	1991	1992	1993	1994	1995
600	4,500	139	173	173	173

Description: This equipment provides additional CPU processing capacity needed by DOT Modal Administrations to meet their ADP requirements. The initial CPU configuration of 128 MB of memory, 40 MIPS and 48 channels will be upgraded to 512 MB of memory, 70 MIPS and 64 channels.

Item: Direct Access Storage Device (DASD) Expansion

Obligations:

1990	1991	1992	1993	1994	1995
0	1,917	1,060	1,036	691	345

Description: DASD expansion is required to replace old technology DASD having slow transfer rates with state-of-the-art DASD having much greater transfer rates and storage capacity. This expansion will be phased in over 5 years and will provide 360 gigabytes of modern storage capacity for the Transportation Computer Center (TCC).

Item: Multimode Services

Obligations:

1990	1991	1992	1993	1994	1995
1,700	1,200	1,300	1,400	1,500	1,600

Description: Multimode Services provide ADP support services to U.S. Coast Guard (USCG), the Research and Special Programs Administration (RSPA) and the Urban Mass Transportation Administration (UMTA).

Item: TCC Facilities Maintenance and Operation

Obligations:

1990	1991	1992	1993	1994	1995
11,200	13,700	16,600	18,890	21,496	24,462

Description: TCC facilities maintenance and operation is provided through cost-plus-award fee contracts. Services include mainframe and DASD maintenance, mainframe applications systems, small systems, office automation, telecommunications and other user services including documentation, support, training, library services and special studies.

Office of the Secretary of Transportation (OST)

Item: Financial Information Systems

Obligations:

1990	1991	1992	1993	1994	1995
4,919	5,703	6,203	2,510	2,550	2,600

Description: Included are cost for the Departmental Accounting and Financial Information System (DAFIS), the Uniform Procurement Management System and the Administrative Systems Development contracts for services: feasibility studies, programming support, and system specifications. Support for DAFIS implementation, operations and maintenance is also included.

Research and Special Programs Administration (RSPA)

Item: ADP Support Services Contract-Systems Analysis (Planned)

Obligations:

1990	1991	1992	1993	1994	1995
28,137	30,000	33,000	36,300	39,850	43,000

Description: This item includes the anticipated expenditures for a new contract with a FY 1990 staffing level of approximately 300 labor years for application programming and analysis, computer operations, systems planning and software maintenance.

Item: Equipment for FAA's Traffic Management System

Obligations:

1990	1991	1992	1993	1994	1995
3,300	2,200	2,200	2,200	2,200	2,400

Description: Purchase and maintenance costs of several super minicomputers for the FAA's Traffic Management System.

Saint Lawrence Seaway Development Corporation (SLSDC)

No major acquisitions are planned. The Corporation has no projects or activities which will cost over $300,000 in any one fiscal year (FY's 1990 through 1995).

Urban Mass Transportation Administration (UMTA)

Item: Financial Management System (FMS)

Obligations:

1990	1991	1992	1993	1994	1995
965	998	1,026	1,054	1,100	1,110

Description: The FMS provides accurate information on the allocation and use of appropriated funds and satisfies the financial reporting needs of UMTA. The present system is operated at TCC with front-end data entry on Datapoint equipment located in the Office of Financial Management.

Item: Grant Management Information System (GMIS)

Obligations:

1990	1991	1992	1993	1994	1995
1,277	1,325	1,332	1,339	1,400	1,400

Description: The GMIS provides grant managers and grantees with current, reliable information on planning, monitoring, and funding of the grants which UMTA awards. It is an on-line, interactive system for entering, updating and querying grant information. The system is used by all UMTA headquarters, regional offices, and selected grantees.

Item: Section 15 Reporting System

Obligations:

1990	1991	1992	1993	1994	1995
805	855	905	955	1,000	1,010

Description: The reporting system is a database of mass transit financial and operating statistics. Operations and maintenance of the system is performed by a private contractor under the cognizance of the Audit Review and Analysis Division of the Associate Administrator for Grants Management.

United States Coast Guard (USCG)

Item: Aviation Maintenance Management Information System (AMMIS)

Obligations:

1990	1991	1992	1993	1994	1995
5,700	1,500	1,000	100	100	100

Description: AMMIS will provide centralized computing power and procedures to support repair, overhaul, supply, flight operations, and management analysis for users at the Aircraft Repair and Supply Center, all Coast Guard Air Stations, Coast Guard Headquarters and selected vendors. Funds will be used to replace an obsolete Burroughs 6900 which processes the AMMIS.

Item: Supply Center Curtis Bay (SCCB)

Obligations:

1990	1991	1992	1993	1994	1995
3,310	2,749	2,705	9,999	2,863	3,043

Description: The SCCB is a series of applications and networks designed to assist in providing shipyard and logistics support to the USCG fleet. The system is at maximum capacity and cannot be expanded. Funds will be used to identify functional requirements and appropriate alternatives, design and develop an enhanced or new system.

Item: Configuration Management

Obligations:

1990	1991	1992	1993	1994	1995
0	5,939	4,294	9,780	880	288

Description: Funds will provide personnel to support shipboard initiatives in Configuration Management and decentralized Shipboard Supply Management. The process will include validation of the existing on board configuration and development of an information system for shipboard, MLC and HQ/ICP levels.

Item: Vessel Identification Information System (VIIS)

Obligations:

1990	1991	1992	1993	1994	1995
0	2,232	5,572	5,121	1,703	0

Description: Public Law 100-710 requires the Department to maintain an inventory of every documented, state titled or state registered vessel in the United States and to establish a nationwide system to exchange information with federal and state authorities. Funds will be used to develop the VIIS.

Item: Replace Marine Safety Information System (MSIS II)

Obligations:

1990	1991	1992	1993	1994	1995
0	2,500	5,350	3,400	3,900	2,510

Description: Funds will be used to replace the MSIS hardware, various software (including a database management system) and enhance applications. The system architecture includes distributed processing under the USCG standard workstation environment.

Item: Automated Merchant Vessel Reporting System (AMVER)

Obligations:

1990	1991	1992	1993	1994	1995
1,516	2,266	2,025	2,065	2,126	2,169

Description: The system provides the best positions of vessels that may be used in support of a sea and air rescue; the system is the only source of the position information. Funds will be used to maintain and enhance the system.

Item: Joint Maritime Information Element (JMICE)

Obligations:

1990	1991	1992	1993	1994	1995
0	1,506	1,328	1,328	1,328	1,328

Description: Funds will be used to operate and maintain the system. JMIE is a multi-agency SECRET level data-sharing system that provides the Intelligence Community with access to databases and analytical work stations to aid in collection, analysis and presentation of data related to maritime environment.

Item: Civilian Personnel FOCUS Database (CIVFOCUS)

Obligations:

1990	1991	1992	1993	1994	1995
1,031	1,135	1,248	1,373	1,511	1,662

Description: The CIVFOCUS provides USCG civilian personnel offices and remote liaison sites with access to civilian data. Funds will be used to operate and maintain the system.

Item: Personnel Management Information System/Joint Uniform Military Pay System (PMIS/JUMPS)

Obligations:

1990	1991	1992	1993	1994	1995
0	1,700	1,100	1,100	1,000	900

Description: The system will be enhanced in order to integrate the active duty, retired and reserve personnel database with the payroll system. Funds will be used to identify requirements and alternatives, develop, test and implement the enhancement.

Item: Reserve Program Information Resources Management

Obligations:

1990	1991	1992	1993	1994	1995
0	1,111	1,291	1,396	1,502	1,598

Description: This project will support the management of integrating Active and Reserve personnel data. Hardware and software will be provided to Headquarters, Districts and Reserve Units in order to allow for the access and transfer of accurate and timely data.

Item: Shipboard Standard Workstation Software Follow-on

Obligations:

1990	1991	1992	1993	1994	1995
0	0	1,137	1,700	1,700	1,615

Description: USCG vessels (140 feet and greater) will receive USCG Standard Workstations along with operating and maintenance support services.

Item: Coast Guard Standard Workstation Contract

Obligations:

1990	1991	1992	1993	1994	1995
3,360	4,080	4,896	4,406	3,522	3,172

Description: Funds will support maintaining the USCG Standard Workstations on a Coast Guard-wide basis.

Item: Operational Computer Center and Marine Safety Information System Move to Martinsburg, West Virginia (OCC and MSIS)

Obligations:

1990	1991	1992	1993	1994	1995
0	3,700	1,500	1,500	1,550	1,500

Description: The OCC will be moved to a new facility in Martinsburg, West Virginia. All OCC computer systems, the JMIE host computer and the MSIS host system will be located in one consolidated facility.

Item: Hybrid Data Network

Obligations:

1990	1991	1992	1993	1994	1995
1,500	1,500	1,500	1,500	1,000	1,000

Description: Equipment will be acquired to connect USCG computers using TELENET.

DEPARTMENT OF THE TREASURY

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Bureau of Alcohol, Tobacco and Firearms

Item: Communications Systems

Obligations:

1990	1991	1992	1993	1994	1995
6,616	6,940	7,218	7,486	7,742	7,982

Description: Purchase, rental and maintenance costs associated with Bureau-wide (commercial) communications systems.

Item: ADP Systems

Obligations:

1990	1991	1992	1993	1994	1995
11,179	8,259	8,590	8,909	9,213	9,498

Description: Purchase, rental and maintenance costs associated with Bureau-wide (commercial) ADP information systems.

Bureau of Engraving and Printing

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
1,768	1,063	1,081	1,775	1,318	1,311

Description: Establish standards for word processing, electronic messaging, calendaring, and other automated office activities to increase productivity of administrative and professional employees.

Item: Manufacturing Management System

Obligations:

1990	1991	1992	1993	1994	1995
926	1,334	1,378	2,310	1,740	1,699

Description: Provide an integrated information management system to effectively manage the Bureau's production facilities, materials, personnel, and financial resources.

Item: Financial Management Information System

Obligations:

1990	1991	1992	1993	1994	1995
866	1,334	1,333	2,118	1,683	1,648

Description: This system is an integrated collection of financial management packages which will assist the Bureau to more effectively accomplish its internal accounting and external reporting requirements.

Item: Product Accountability Management Information System

Obligations:

1990	1991	1992	1993	1994	1995
986	1,378	1,378	2,310	1,740	1,628

Description: Provide on-line information on product location and status, and timely detection and notification of discrepancies.

Item: End User Computing

Obligations:

1990	1991	1992	1993	1994	1995
1,069	987	1,052	1,739	1,350	1,343

Description: Support the economic and effective use of low-cost, end user computing to increase the productivity of the Bureau's professional and clerical workforce.

Bureau of the Public Debt

Item: Expansion of Bureau's Computer Processing Capacity

Obligations:

1990	1991	1992	1993	1994	1995
1,559	1,559	10,210	3,529	2,378	1,718

Description: Expansion of the Bureau's computer processing capacity will upgrade major components of the Bureau's current computer with technologies necessary to satisfy future computing requirements. Advanced data processing hardware, and telecommunications technology will be used to support planned improvements in automation of manual account maintenance, inquiry, and accounting processes.

Item: **Series E/EE Saving Bond System**

Obligations:	1990	1991	1992	1993	1994	1995
	1,759	1,990	2,073	6,410	4,243	2,225

Description: The new Series E/EE Automated System (Project SEAS) will replace the current system and will provide operational capabilities that will streamline savings bond processing via on-line inquiries to savings bond master files, on-line correction of master file descrepancies, and on-line access to program management information. Project SEAS will enhance the cost effectiveness of the savings bond program through processing efficiencies, provide greater flexibility to incorporate new technologies in the future and employ the latest proven technology to satisfy information requirements.

Departmental Offices

Item: Data center Upgrade

Obligations:	1990	1991	1992	1993	1994	1995
	1,275	1,070	1,740	1,635	1,450	1,780

Description: The data center upgrade is essential for these mandatory initiatives:

- Expanded use of Forecasting, Analysis and Modeling environment, which permits the manipulation of time series economic indicators for financial calculation, data analysis, econometrics and forecasting. Policy offices currently use this software to analyze the International Monetary Fund data base on foreign exchange rates and balance of payments data; to analyze other critical economic information; and to produce the Weekly Credit Memo and portions of the Quarterly Financing Report.

- Expanded use of Statistical Analysis System (SAS) software, which supports the statistical and mathematical analysis, business planning, forecasting, and decision support activities of the policy offices. Policy offices currently use this software to produce the Quarterly Review of Interest Volatility report required by the Government Securities Act and to simulate the revenue impact of proposed tax law modifications.

- Additional development and implementation of applications to support key policy offices, such as International Monetary Affairs, Enforcement, Tax Policy, Domestic Finance, Economic Policy and General Counsel.

Federal Law Enforcement Training Center

Item: **Information Systems (ADP) Modernization Project**

Obligations:

1990	1991	1992	1993	1994	1995
2,458	2,170	2,225	2,278	2,330	2,381

Description: **Based on studies conducted jointly by Treasury, the President's Private Sector Council and FLETC, the Center plans to modernize its ADP efforts, especially in direct training support areas (scheduling, testing, grading, critiques, certain remedial training, etc.).**

Financial Management Service

Item: System 90 Hardware/Software Design and Development

Obligations:

1990	1991	1992	1993	1994	1995
15,217	14,617	14,115	4,598	4,052	4,052

Description: **System 90 is an integrated systems approach to modernizing the Service's financial operations to ensure the integrity, security and effective delivery of $1 trillion of annual Federal payments and an efficient claims operation. The effectiveness of FMS' existing systems is severely limited by obsolete technology, outdated and nonstandard software, limited telecommunications capabilities, security deficiencies, and a heavy reliance on manual procedures to maintain systems operations. The primary objective is to modernize the Regional Financial Centers' payment and claims systems by streamlining operations; reducing dependencies on paper-based systems; and introducing operational efficiencies through the use of modern computer communications and security technology. In addition, this project will prevent unauthorized payments from being made through forgery or alteration of payment documents. Electronic certification and data encryption will be combined with message authentication to bridge the control gap with agencies and ensure that all payment transactions are proper for payment as well as protected from tampering.**

Item: STAR

Obligations:

1990	1991	1992	1993	1994	1995
2,139	2,600	840	840	840	840

Description: **STAR is the cornerstone of FMS' financial information business line. As the redesign of the central accounting system, STAR will upgrade the Governmentwide budget execution system. This system manages the disclosure and integrity of the Government's multi-billion dollar receipts and outlays, and is the only source of such information on which to base the Government's financial status. The current system is paper-based, labor intensive, error-prone, unresponsive to new information needs and inadequate for timely control of agency operations. STAR development is plenned in seven "modules." Each module represents a major functional area and the applications related to it. Module 1 will be completed in FY 1989 and Modules 2 and 3 will be completed in FY 1990. Full implementation of all modules is mandatory for completion of the STAR project.**

Internal Revenue Service

Item: Counsel Automated System Environment CC-5

Obligations:

1990	1991	1992	1993	1994	1995
4,392	3,826	17,178	7,800	7,650	7,000

Description: Planned acquisition of personal computers, local area networks, minicomputers and peripheral equipment for implementation and operation of CASE. Minicomputer acquisitions are planned for FY 1992.

Item: Criminal Investigation Office Automation CI-3

Obligations:

1990	1991	1992	1993	1994	1995
439	450	1,239	1,289	1,339	1,389

Description: These funds are to secure contractual services relating to data entry used in connection with computer analysis of financial data and for access to Customs information system (Treasury Enforcement Communication System - TECS II).

Item: Criminal Investigation CI-4
Nationwide Radio System Replacement

Obligations:

1990	1991	1992	1993	1994	1995
3,422	3,422	4,647	4,977	4,977	4,977

Description: Procurement, installation, and maintenance costs associated with the replacement of Criminal Investigation's nationwide two-way radio system.

Item: Integrated Collection System CO-5

Obligations:

1990	1991	1992	1993	1994	1995
49,280	60,111	108,555	144,057	152,897	155,506

Description: Includes resources for mainframe upgrades for the Automated Collection System. Also included are funds for personel computers, printers, peripheral equipment, and software conversion to operate the Integrated Collection System.

Item: Support Of Master File Processing CS-1

Obligations:

1990	1991	1992	1993	1994	1995
3,701	3,701	2,044	2,079	2,187	2,084

Description: Acquisition, lease, and maintenance of new and existing IBM-compatible display terminals and communications processors for the Master File Production and Interactive Processing/Remote Job Entry (IAP/RJE) systems at the Martinsburg Computing Center.

Item: IRS Payroll And Admin. System CS-4

Obligations:

1990	1991	1992	1993	1994	1995
3,767	4,306	5,490	0	0	0

Description: Lease and maintenance of UNISYS computer system, cartridge tape and disk subsystems, and communications processors at the Detroit Computing Center.

Item: N.O. Computer Services Staff & Support CS-5

Obligations:

1990	1991	1992	1993	1994	1995
15,334	15,223	15,611	15,918	16,232	16,459

Description: Maintenance, data processing services, and purchase costs associated with equipment needed by National Office computer services employees to support tax processing and compliance programs, such as Optical Character Recognition and Individual Master File extract.

Item: Detroit Computing Center CS-7
Tax Processing And Support System

Obligations:

1990	1991	1992	1993	1994	1995
6,295	6,295	9,163	6,948	6,955	7,232

Description: Lease and maintenance of the IBM-compatible mainframe computer system and peripherals at the Detroit Computing Center. This system processes administrative projects, such as the Currency Transaction Reports (CTR), Statistics of Income (SOI), and the Taxpayer Compliance Measurement Program (TCMP).

Item: Tax Processing Print Systems CS-9

Obligations:

1990	1991	1992	1993	1994	1995
12,941	12,941	19,229	21,132	25,616	27,360

Description: Lease, maintenance, and site preparation funds for current and new printing systems at the service centers and Martinsburg Computing Center.

Item: Real Time Communication System CS-10

Obligations:

1990	1991	1992	1993	1994	1995
49,850	49,850	45,446	45,710	55,591	52,467

Description: Data transmission, maintenance and purchase costs for the Service's data communications network which links district offices and posts-of-duty to the Service Center's Integrated Data Retrieval System.

Item: Field Automation Support CS-14

Obligations:

1990	1991	1992	1993	1994	1995
35,931	37,253	42,717	43,740	45,875	39,503

Description: Lease and maintenance of equipment, data processing services, software, and ADP supplies for Field automation efforts. This includes the maintenance of existing systems and the replacement of aging Zilog equipment.

Item: Tax Processing Mainframe CS-16

Obligations:

1990	1991	1992	1993	1994	1995
34,556	44,319	53,535	49,535	52,535	54,595

Description: Lease and maintenance of UNISYS mainframe computer systems and procurement of UNISYS compatible tape cartridge systems at the service centers and Martinsburg Computing Center (MCC). Also, the purchase of Uninterruptible Power systems (UPS) at both the Detroit and Martinsburg Computing Centers in FY 1991 and service centers in the outyears.

Item: Integrated Telecommunications Services CS-22

Obligations:

1990	1991	1992	1993	1994	1995
95,061	95,488	128,820	118,924	140,096	134,932

Description: Resources for the maintenance of existing voice and data communications systems; acquisition of private branch exchanges (PBX); installation of packet switching network (CDN); upgrade and replacement of toll-free Automated Call Distribution (ACD) equipment; and implementation of Digital Telecommunications Switching (DTS) system in the Washington metropolitan area.

Item: Replacement Software Development System CS-35

Obligations:

1990	1991	1992	1993	1994	1995
0	1,178	1,043	1,475	1,907	1,438

Description: Acquisition of multipurpose microcomputers for National Office computer programmers to provide access to the IBM and UNISYS Programming Development Systems and the WANG Automated Documentation system.

Item: Migration To New Tape Drive Technology CS-37

Obligations:

1990	1991	1992	1993	1994	1995
2,988	2,988	2,989	3,160	5,089	3,502

Description: Acquisition of tape cartridge drives, controllers, and tape cartridges to replace existing open-reel tape drives and tapes at the Martinsburg Computing Center.

Item: Computer Assisted Audit Resource System EX-04

Obligations:

1990	1991	1992	1993	1994	1995
3,287	3,278	3,919	3,704	3,720	3,784

Description: Acquisition of replacement minicomputers, peripheral equipment, and associated maintenance, used by computer audit specialists in the examination of large corporate returns.

Item: Automated Examination System EX-16

Obligations:

1990	1991	1992	1993	1994	1995
9,403	7,017	34,634	27,789	25,041	49,894

Description: Purchase of microcomputers for tax auditors and examiners which, with specially developed software, will allow for the automation of the examination by these groups; and purchase of microcomputers for group managers/secretaries and minicomputers for each group to allow for group inventory controls and electronic case closure (Exam, EP/EO and Appeals).

Item: Examination Laptop Replacement EX-18

Obligations:

1990	1991	1992	1993	1994	1995
0	1,380	54,428	28,599	12,132	13,894

Description: Purchase hard disk portable computers to replace the dual floppy machines now being used by Revenue Agents (Exam and EP/EO), and to supply interim support to large case examiners and Appeals through the purchase of minicomputers.

Item: EP\EO Determination System E-02

Obligations:

1990	1991	1992	1993	1994	1995
515	943	989	1,006	858	793

Description: EP/EO will replace aging ZILOG minicomputers as well as terminals and printers, all of which have exceeded their systems life. Without replacement, service to customers, who pay fees up to $1,000, will degenerate drastically.

Item: Automated Training System HR-01

Obligations:

1990	1991	1992	1993	1994	1995
4,463	4,460	2,868	2,160	1,911	1,911

Description: Includes resources for procurement and installation of a computer-based system for both development and delivery of training.

Item: Centralized Inventory and Distribution System HR-02

Obligations:

1990	1991	1992	1993	1994	1995
8,144	7,645	6,854	5,033	4,620	4,654

Description: Provides resources for the automation of a centralized nationwide forms distribution system. Includes host mainframe, terminals, printers, customized software, order fulfillment equipment, and telecommunications.

Item: Personnel Management Information Telecommunication System HR-09

Obligations:

1990	1991	1992	1993	1994	1995
5,191	5,003	1,014	0	0	0

Description: Procurement of terminals and printers to interface with the Departmental personnel system (and later to the Agriculture system). Also provides funds to reimburse the Department for operation and maintenance of the system.

Item: Treasury Integrated Management System HR-11

Obligations:

1990	1991	1992	1993	1994	1995
1,109	2,886	1,599	7,897	3,035	3,061

Description: Procurement of terminals and printers to interface with the integrated Agriculture system. Also includes funds for reimbursement of the Department for operation and maintenance of the system. Includes resources for procurement of a system to automate use of standard form SF-52 which is a request for personnel action.

Item: Information Returns Program Projects IRP-01

Obligations:

1990	1991	1992	1993	1994	1995
3,114	3,109	1,286	1,300	1,264	1,083

Description: Includes acquisition of personal computers, local area networks, optical character recognition equipment, and magnetic media.

Item: ISD Program Management IS-01
(Formerly ISD Mission Support)

Obligations:

1990	1991	1992	1993	1994	1995
3,774	3,041	3,407	3,507	3,607	3,607

Description: ISD Program Management provides the computing environment, office automation, software, and desktop publishing needed to manage the development of the redesign of the tax administration system.

Item: Service Center Department Applications IS-02

Obligations:

1990	1991	1992	1993	1994	1995
6,577	20,976	18,060	20,019	15,199	16,595

Description: Includes procurement of minicomputers and associated maintenance and supplies for nationwide implementation of the Automated Underreporter (AUR) system, the Automated Inventory Control system (AICS), and Accounts Maintenance Automation.

Item: Long Term Redesign of Tax Administration System IS-04

Obligations:

1990	1991	1992	1993	1994	1995
16,210	29,051	48,121	58,794	60,759	62,714

Description: Resources primarily reflect funds necessary to acquire contractor support services needed to translate the target architectures of the long term redesign into specific systems, subsystems, and interfaces.

Item: Integrated Input Processing System IS-06

Obligations:

1990	1991	1992	1993	1994	1995
5,362	31,271	113,701	71,424	123,225	312,947

Description: Resources for studies and prototypes, including necessary hardware and software, to provide technical innovations to convert taxpayer information to electronic images for easy retrieval and manipulation. Innovations include high speed character recognition, optical disk storage, electronic filing of information returns, and other technical enhancements to the pipeline tax return processing system.

Item: Service Center Systems Acquisition IS-08

Obligations:

1990	1991	1992	1993	1994	1995
18,141	23,299	68,896	126,119	159,202	165,687

Description: Funds are for procurement of replacements of all service center UNISYS processing equipment and software. It will electronically transfer tax return information within local area networks.

Item: Corporate Files On-line IS-09

Obligations:

1990	1991	1992	1993	1994	1995
34,104	15,959	11,660	11,660	11,660	10,993

Description: Resources are for contractor support services to design and develop systems that will make tax account data available to multi-functional users in an on-line environment taking advantage of modern database technology. Significant purchases/leases will be made to establish a modern database environment including data base machines, storage devices, telecommunications lines, and other hardware and software. These acquisitions will be for piloting and testing with acquisitions for full implementation included in initiative IS-10, Corporate Systems/Mirror Imaging Acquisition.

Item: Corporate System/Mirror Imaging Acquisition IS-10

Obligations:

1990	1991	1992	1993	1994	1995
0	18,169	108,559	157,389	213,114	133,168

Description: Replacement of current IBM and IBM-compatible equipment at both Computing Centers (Martinsburg and Detroit) with compatible hardware and systems software. Further, the acquisition of hardware, software, and consulting services to redesign the tax system to provide a redesigned platform from which Corporate Files On-Line will evolve into an interactive updatable database.

Item: Automated Financial System PFR-02

Obligations:

1990	1991	1992	1993	1994	1995
2,620	2,981	2,673	457	457	457

Description: Provides continued ADP support for the development, implementation, and operation of the Automated Financial System. Funds are for software development, off-the-shelf software, and equipment.

Item: Distributed Input System - Baseline TR-04

Obligations:

1990	1991	1992	1993	1994	1995
19,625	20,443	17,799	19,088	19,966	21,327

Description: Funds for maintenance of equipment and software and data transmission for the distributed input system used to process tax returns, information documents, and revenue collections.

Item: Full Utilization Of Electronic Filing TR-06

Obligations:

1990	1991	1992	1993	1994	1995
5,914	9,726	8,051	4,727	4,668	4,668

Description: Procurement, installation, and maintenance of the system to receive, store, and retrieve tax returns filed electronically by return preparers.

Item: Toll-free ACD Replacement TR-10

Obligations:

1990	1991	1992	1993	1994	1995
0	5,479	13,815	15,392	14,809	15,371

Description: Purchase and installation of new automated call distributers (ACD's) and maintenance of existing ACD's used to support the toll-free Taxpayer Service telephone program.

Item: Federal Tele-tax Information System TR-11

Obligations:

1990	1991	1992	1993	1994	1995
7,683	9,287	10,066	10,918	11,862	12,901

Description: Lease of equipment and telephone circuitry to provide recorded tax and automated refund information.

Item: Remittance Processing System TR-20

Obligations:

1990	1991	1992	1993	1994	1995
3,480	3,480	4,272	4,689	37	0

Description: Funds are for maintenance of the current remittance processing system which is used to automate deposit activity, provide audit trails, and update taxpayer accounts.

Item: Revenue Accounting Control System TR-22

Obligations:

1990	1991	1992	1993	1994	1995
658	658	969	1,057	1,151	1,253

Description: Funds are for maintenance, data transmission, and procurement of equipment upgrades for the revenue accounting control system used to balance, post, and report financial information on tax revenues and accounts.

Item: SOI Distributed Processing System TR-29

Obligations:

1990	1991	1992	1993	1994	1995
90	893	1,401	1,326	1,332	635

Description: Procurement, maintenance and data transmission for a mulit-tiered distributed data processing system used to process, tabulate, and store data for statistical studies used by Congress, Treasury, and IRS.

Item: OCR Systems Replacement TR-32

Obligations:

1990	1991	1992	1993	1994	1995
7,059	10,269	16,778	16,421	11,900	2,595

Description: Procurement, installation, and maintenance of a new, technologically advanced system to process Optical Character Recognition (OCR) applications in IRS service centers.

Item: Automated Taxpayer Service System TR-34

Obligations:

1990	1991	1992	1993	1994	1995
1,719	10,994	45,271	32,315	6,984	6,972

Description: Procurement, installation, maintenance and data transmission for automated workstations used in front-line Taxpayer Service assistance.

Item: Visually Impaired Systems TR-36

Obligations:

1990	1991	1992	1993	1994	1995
2,948	2,948	625	692	716	725

Description: Replacement of obsolete portable braille terminals, acquisition of voice synthesizers, and procurement of braille embossers (printers).

U.S. Mint

Item: Distributed Information Systems

Obligations:

1990	1991	1992	1993	1994	1995
3,095	3,268	3,596	3,956	4,351	4,785

Description: This involves providing support for our new distributed information system during 1990 - 1994.

Office of Inspector General (OIG)

Item: OIG Central Computing

	1990	1991	1992	1993	1994	1995
Obligations:	553.4	838.0	938.8	5,169.3	1,426.3	897.3

Description: Purchase, rental and maintenance costs associated with procurement of a new central mainframe computer.

U.S. Savings Bonds Division

Item: Management Information System / Office Automation (MIS)

	1990	1991	1992	1993	1994	1995
Obligations:	755	1,018	786	621	596	646

Description: Purchase, maintenance and related costs associated with the acquisition, design and implementation of a nation-wide automated network. Also includes the costs for feasability studies and system design.

U.S. Customs Service

Program: Commercial Data Systems

Item: Automated Commercial System

	1990	1991	1992	1993	1994	1995
Obligations:	37,614	42,188	42,188	42,188	42,188	42,188

Description: Equipment and service needed to support the Automated Commercial System includes development, programming and equipment and telecommunications lease.

Program: Enforcement Systems

Item: TECS II

	1990	1991	1992	1993	1994	1995
Obligations:	25,932	25,582	25,582	25,582	25,582	25,582

Description: Contract services needed to design, develop, and maintain TECS II amounts for 1990 and beyond includes equipment and telecommunications costs.

Program: Enforcement Systems

Item: Interagency Border Inspection System (IBIS)

	1990	1991	1992	1993	1994	1995
Obligations:	6,794	6,794	6,794	6,794	6,794	6,794

Description: Equipment and contract services needed to design, develop, and maintain a machine readable document system includes equipment purchase and lease, data communications, and design costs.

U.S. Secret Service

Item: Computer Mainframe Replacement

	1990	1991	1992	1993	1994	1995
Obligations:	6,904	8,790	8,700	6,900	7,245	7,607

Description: Hardware and software lease, maintenance costs, and services to replace and augment mainframe computers.

Item: Secret Service Integrated Network

	1990	1991	1992	1993	1994	1995
Obligations:	5,916	6,060	6,180	6,428	6,843	7,000

Description: Telecommunications lease, lease site and operating costs to implement the Integrated Network.

Item: Secret Service Integrated Network - International Gateway

	1990	1991	1992	1993	1994	1995
Obligations:	540	540	540	540	540	540

Description: Telecommunications lease costs to implement a secure overseas connection into the domestic Secret Service Integrated Network.

Item: Communications Security - Radio Voice Privacy

Obligations:	1990	1991	1992	1993	1994	1995
	3,800	8,500	8,000	8,000	8,000	13,800

Description: Hardware and lease site costs for secure voice and data communications.

Item: Digital Telephone System

Obligations:	1990	1991	1992	1993	1994	1995
	941	1,206	1,216	1,275	1,225	1,225

Description: The Secret Service prorate lease-to-purchase cost of the Treasury telephone system.

DEPARTMENT OF VETERANS AFFAIRS

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Veterans Health Services and Research Administration

Item: Decentralized Hospital Computer Program (DHCP)

Obligations:

1990	1991	1992	1993	1994	1995
49,187	25,643	25,623	44,646	48,314	36,228

Description: The objective of the DHCP is to provide for the rapid development and dissemination of computer technology to over 170 VA medical throughout the United States. Funds in the amount of $99,485,000 were provided between FY 87 and FY 90 for the procurement and maintenance of additional DHCP compatible processors and associated peripheral devices for the implementation of Enhanced DHCP (Radiology, Dietetics, Medical Records Tracking, Integrated Funds Control, Accounting and Procurement, Surgery, Decentralized Medical Management System (DMMS) and Nursing).

Item: Paid Redesign

Obligations:

1990	1991	1992	1993	1994	1995
5,073	959	959	959	959	959

Description: DHCP component of PAID Redesign will improve hospital access to payroll and personnel data, and improve and automate procedures for submitting data to the centralized payroll and personnel system. PAID data will be integrated with the DHCP data base for operational and management information purposes and will support a parallel activity to further refine labor distribution front end functions and demonstrate the effect of differing design solutions on operations and employee working conditions. These funds cover the cost of equipment, operating supplies and maintenance. The impact of installation of VAMC-based PAID components will reduce administrative workload--particularly for timekeeping and preparation of payroll and personnel transactions. Equally important will be improved access to personnel and payroll data.

Item: Integrated Supply Management System (ISMS)

Obligations:

1990	1991	1992	1993	1994	1995
4,090	922	922	922	922	922

Description: The DHCP component of the Integrated Supply Management System (ISMS), when linked to a centralized national item file will provide management information that will enable VAMCs individually and collectively to "buy smarter" and thereby significantly reduce VHS&RA's total outlay for supplies. Without the DHCP (decentralized) component, the over $30 million yearly savings predicted for a fully operational ISMS cannot be achieved. The DHCP component will also provide a variety of features for local supply management including inventory management for the warehouse and using services (such as Laboratory and Pharmacy), and direct electronic linkage to centralized systems for accounting and payment (CALM/CAPPS), procurement, contracting, depot storage and distribution. The present IFCAP system (with its dual Supply and Fiscal orientation) will provide the cornerstone for the decentralized system.

The resources included in this exhibit cover the cost of equipment, operating supplies and maintenance for a standard DHCP based supply system to operate at all VAMCs as well as at the marketing center and depots.

National Cemetery System

Item: NCS automation - Decision Support/Office Automation, and interment related subsystems.

Obligations:

1990	1991	1992	1993	1994	1995
564	971	971	971	971	971

Description: In accordance with the National Cemetery System's 5-year ADP plan, funding provides for the acquisition of office automation equipment for cemeteries, area offices and Central Office staffs and services.

Veterans Benefits Administration

Item: Veterans Benefits Administration Modernization Plan

Obligations:

1990	1991	1992	1993	1994	1995
15,771	28,511	11,315	10,753*	4,066*	4,807*

Description: In 1985, the Veterans Benefits Administration (VBA) initiated an effort to enhance the efficiency and effectiveness of benefits provided to veterans through the use of modern ADP and telecommunications technology. VBA is currently pursuing a Twelve Point Plan for modernization which provides for the steps necessary to identify and evaluate alternatives to meet VBA's ADP objectives:

- Development of an integrated benefits delivery and management information system for VBA;
- Automation of all manual processes that prove feasible and cost-beneficial;

* Note: Funding for major awards and implementation is not included in the outyears.

- Improvement of current systems while staging them for integration with the long-term solution; and

- Conversion of VBA's systems to increase flexibility and provide for easier maintenance.

Through a series of twelve tasks, VBA will study programmatic requirements and the existing ADP environment, develop functional requirements documents and a series of alternative solutions, and select and implement the alternatives which best support the goals and objectives of VBA. With the revised strategy, decisions should be made and contracts awarded for the final solution beginning in 1993. We have scheduled implementation in stages over three years. As such, implementation should be completed by the end of 1996.

Office of Finance and Planning

Item: Financial Management System

Obligations:

1990	1991	1992	1993	1994	1995
2,715	1,355	3,250	1,850	500	0

Description: FMS is a modern, consolidated, department-wide Financial Management System designed in accordance with OMB Circular No. A-127.

Office of General Counsel

Item: Office Automation

Obligations:

1990	1991	1992	1993	1994	1995
1,023	1,329	1,193	1,274	1,366	1,459

Description: Funding is for hardware/software, maintenance and supplies for administrative tracking, word processing and management information system.

Office of Information Resources Operations

Item: Austin Equipment Replacement

Obligations:

1990	1991	1992	1993	1994	1995
1,169	1,344	2,270	2,594	2,459	2,673

Description: Funding is for lease and maintenance of computer equipment to continue replacement of the triplex computer system at the Austin DPC. Replacement of the overall system is necessary to meet anticipated needs and to come to a standard which meets the state-of-the-art. Installation of new equipment began in the first quarter of 1985.

Item: **VADATS/IDCU**

Obligations:

1990	1991	1992	1993	1994	1995
30,700	27,900	27,900	27,900	27,900	27,900

Description: The figures shown above represent the obligations for Office of the Deputy Assistant Secretary for Information Resources Operations; however, most of these obligations are reimbursed by other VA users and non-VA users. Funding is for lease, maintenance and purchase of ADP equipment, lease of communications circuits and contractor support.

Office of Acquisition and Materiel Management

Item: Integrated Supply Management System (ISMS)

Obligations:

1990	1991	1992	1993	1994	1995
5,892	1,859	235	235	235	235

Description: ISMS is the replacement project of the computer system supporting the procurement and supply program.

ENVIRONMENTAL PROTECTION AGENCY

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Equipment Acquisitions and Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
26,900	24,100	25,000	26,000	26,000	26,000

Description: This item includes lease, purchase and maintenance of equipment and operating systems to provide computing support for EPA's Headquarters, Regional Offices, and Laboratories. The capital investments planned during FY 1990-91 include lease-to-purchase payments for the installed mainframe equipment and upgrades scheduled under the multi-year contract awarded in FY 1989; replacement of computers serving EPA's research laboratories, under contracts awarded in FY 1985 and 86; replacement of Regional Office computers under a contract awarded in FY 1986; and the purchase of microcomputers. Increases over the period 1989-1994 generally reflect an increase in costs for maintenance of new technology introduced in 1989 and in preceding years.

Item: Data Communications Network

Obligations:

1990	1991	1992	1993	1994	1995
7,500	8,000	8,500	8,500	9,000	9,500

Description: The EPA has been very successful during the last five years in the implementation of modern data telecommunications services in the Agency. Currently the Agency is operating three levels of data telecommunications: an Agency owned and operated backbone network which provides connectivity among all EPA sites, an Agency contractor provided network primarily used to connect State agencies to EPA's backbone network, and a contractor provided Value Added Network which provides backup and dialup services. During FY 1990 the Agency will continue to provide cost-effective and efficient telecommunications services.

Item: Nationwide Voice Communications and Information Security Support

Obligations:

1990	1991	1992	1993	1994	1995
1,850	1,900	2,000	2,000	2,000	2,000

Description: Selection and management of FTS2000 services, which are expected to provide quality service at affordable cost, poses a major challenge to our telecommunications planners. Increasing demand for video and teleconferencing services and voice mail seems certain, as does use of voice services such as credit cards. All EPA telecommunications activities, with the exception of a small group of overall program and contract functions, will continue to be obtained form service contractors. Emphasis will increase on installing and managing voice systems which improve office productivity and program effectiveness, which will require a major investment.

Item: Telecommunications Systems Replacement and Modification

Obligations:	1990	1991	1992	1993	1994	1995
	1,500	1,500	1,500	1,500	1,500	1,500

Description: EPA's program of reviewing and modernizing voice telecommunications systems will be provided additional structure by implementation of nationwide operational policies and associated procedures, and centralized review of all major purchase decisions. EPA will continue to utilize GSA-provide facilities where appropriate and to invest in EPA-owned premise equipment where advantageous. This funding also supports some of the relocations and new facilities being acquired for EPA.

Item: Systems Operation and Support

Obligations:	1990	1991	1992	1993	1994	1995
	82,400	96,000	96,000	96,000	96,000	96,000

Description: Systems Operation and Support include services acquired through a facility management contract and Agency-wide task order contracts. The facility management contract provides on-site services required to manage the central data processing facility, and distributed processing facilities in EPA laboratories, Regions, and other locations. The Agency-wide task order contract provides a full range of on-site services required to operate EPA's distributed processing sites and to operate and maintain major EPA application systems, including routine programming, data handling and user support.

Item: Application Systems Development and Enhancements

Obligations:	1990	1991	1992	1993	1994	1995
	19,000	19,00	19,000	19,000	19,000	19,000

Description: Application systems development and enhancements are provided through Agency-wide, centrally managed, task order contracts. These contracts provide expertise in data base management software, graphics statistical models, office systems, and other system development specialties. These competitively procured contracts are the predominant source for technical support services, and they greatly reduce the need for independent, time consuming competitive acquisitions by individual Agency offices.

Item: Electronic Mail Services

Obligations:

1990	1991	1992	1993	1994	1995
1,400	1,600	1,700	1,800	1,800	1,800

Description: The Electronic Mail Service is a computer-based message system that allows users to send and receive "messages" using standard office automation equipment (communicating word processors, data terminals, office/personal computers, etc.) and public telephone lines. This can be done from any geographic location in the continental US. As a communications tool, it can be easily integrated with other systems related to News and Information, Group Databases, Text Processing, and Support systems, The Agency is continuing to work with GSA to begin using EMAIL services provided under FTS 2000, when it is made available.

GENERAL SERVICES ADMINISTRATION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Federal Supply Service - GSF

Item: Capital Investment

Obligations:

1990	1991	1992	1993	1994	1995
6,206	5,912	5,478	3,344	2,340	2,370

Description: The purchase of equipment used to support the national FSS logistics systems including FSS-19, procurement design systems, management information/operational support systems and the Federal Fleet Management Systems, TARPS Redesign and FSS-23.

Item: FSS National Support Systems

Obligations:

1990	1991	1992	1993	1994	1995
6,657	6,635	6,155	6,051	6,023	6,101

Description: Provides for commercial services such as equipment maintenance, research, development, technical support and studies, systems analysis, programming and design.

Item: Management Information/Operational Support Sytems

Obligations:

1990	1991	1992	1993	1994	1995
21,034	30,546	27,831	34,534	30,854	31,255

Description: Supports inter and intra office automated and word processing initiatives, procurement processes, airline management systems, technical research activities, automated travel management services. Supports the IRMS initiative GSAS, with Honeywell conversion scheduled for FY 91 and UNISYS conversion scheduled for FY 93; and the replacement of OA C3 equipment. Control and maintain documentation, security and time-sharing services in support of all FSS programs.

Federal Supply Service (O.E. Direct)

Item: Capital Investment

	1990	1991	1992	1993	1994	1995
Obligations:	0	652	730	245	178	180

Description: Includes site preparation, software, and the purchase of equipment associated with the FSS national automated systems, including the Federal Aviation Management Information System (FAMIS), and the Transportation Management System and their applications and office automation.

Item: FSS National Support Systems

	1990	1991	1992	1993	1994	1995
Obligations:	1,222	982	1,192	867	867	878

Description: Provides for commercial services such as systems analysis and programming, systems design, operation and maintenance costs associated with the FSS national automated data processing systems, including FAMIS and all of their applications.

Item: Management Information/Operational Support Systems

	1990	1991	1992	1993	1994	1995
Obligations:	1,244	1,981	1,307	2,072	1,439	1,458

Description: Supports inter and intra office automated and word processing initiatives, management systems, technical research activities, upgrade, redesign and update of FSS information systems and services.

Office of Inspector General

Item: Conduct Audits and Investigations

	1990	1991	1992	1993	1994	1995
Obligations:	582	1,297	1,776	1,551	1,561	500

Description: The above data reflect estimated OIG information processing capital investments and commercial services. The data reflects a study conducted by a not-for-profit consultant.

Office of the Comptroller, GM&A

Item: Financial Processing and Reporting

Obligations:

1990	1991	1992	1993	1994	1995
20,317	19,002	20,724	25,828	25,756	28,332

Description: Includes payments to the Computer Sciences Corporation for computing resources to process the accounting and financial management information reporting for GSA. All other activities in this office have been coordinated to directly support the replacement computing resources and to result in an integrated system from the input phase to the output reporting phase. Fiscal year 1990 planned resources include $1,500,000 for development of a new payroll system that will utilize desk top microcomputers and state-of-the-art networking strategies. This initiative will also enhance financial data input/output capability. 5-Year ADP Activities: #CB8302, #CB8303, #CB8309, #CB8310, #CB8313, #CB8801, #CB8802, #CB8901, #CB8902, #CB8903, #CB8904, #CB9001, #CB9002, #CB9003

Federal Property Resources Services

Item: None

Obligations:

1990	1991	1992	1993	1994	1995
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Description: The cumulative cost of a major acquisition of equipment and service is not anticipated to exceed $1 million.

Public Buildings Service

Item: Replacement PBS/IS

Obligations:

1990	1991	1992	1993	1994	1995
8,070	22,518	25,850	25,450	25,450	16,450

Description: These projections include the plans to replace the current information system for the Public Buildings Service (elements within the 5-Year Plan activity numbers 8902, 8903, 8905).

Item: Current PBS/IS and OA

Obligations:

1990	1991	1992	1993	1994	1995
22,080	21,138	11,420	11,420	5,420	5,420

Description: These projections and/or obligations include the ongoing effort to maintain and operate the systems within the Public Buildings Service (elements within the 5-Year Plan activity numbers 8901, 8904, 8906). These figures also reflect dollar-for- dollar the current PK budget when the

ISOD and administrative costs are not included, in addition to equalling the totals required by the 43B instructions (1. A. Capital Investments: Purchase of hardware; 3. Equipment rental, space, and other operating costs, A. Lease of hardware, B. Lease of software; and, 4. Commercial services).

Information Resources Management Service (IRMS) - IT Fund

Item: Intercity Services Program

Obligations:

1990	1991	1992	1993	1994	1995
619,576	527,565	542,337	554,811	564,798	572,140

Description: This program provides for the Federal Telecommunications System (FTS) which enables personnel in each Federal agency to communicate directly with any other agency or commercial entity in the nation. With the award of FTS 2000, agencies will be provided with the most advanced switched voice service available and other new services.

Item: Local Telecommunication Services Program

Obligations:

1990	1991	1992	1993	1994	1995
262,492	273,077	280,723	287,180	292,349	296,150

Description: This program provides local telephone service to agencies, commercial toll calls, telecommunications contracts which make available to Federal agencies telecommunications systems services through private sector vendors, and other miscellaneous programs such as teleconferencing services.

Item: Information Security Management Program

Obligations:

1990	1991	1992	1993	1994	1995
23,193	24,822	25,517	26,104	26,574	26,919

Description: This program provides for effective communications security programs for Government agencies in keeping with the objectives of the U.S. Communications Security Plan and a consolidated program of procurement and maintenance of equipment to implement such security plans.

Item: **National Security Emergency Preparedness Program (NSEP)**

Obligations:

1990	1991	1992	1993	1994	1995
1,881	2,375	2,442	2,498	2,543	2,576

Description: This program ensures agency support to Governmentwide national security and domestic emergency plans, and provides logistical and telecommunications support during an emergency or national disaster.

Item: Multiple Award Schedules Program (MASP)

Obligations:

1990	1991	1992	1993	1994	1995
37,630	38,222	39,292	40,196	40,919	41,451

Description: Provides central funding for the multiple award schedules contracts securing the widest competition and lowest cost for user agencies.

Item: Federal Data Processing Centers Program (FDPC)

Obligations:

1990	1991	1992	1993	1994	1995
84,387	97,504	100,234	102,540	104,385	105,742

Description: Provides economical and efficient Federal Data Processing Centers (FDPC) for satisfying agency requirements for ADP services on a Governmentwide basis in accordance with GSA's responsibilities under Public Law 99-591.

Item: Contract Services Program

Obligations:

1990	1991	1992	1993	1994	1995
309,986	356,426	366,406	374,834	381,581	386,541

Description: Provides economic ADP services to Federal agencies through pooling common requirements under single contracts in given geographic locations.

Item: Equipment Lease Program

Obligations:

1990	1991	1992	1993	1994	1995
1,968	1,985	2,041	2,088	2,125	2,153

Description: Provides a means whereby ADP equipment may be purchased and leased back to Federal agencies through a multiyear lease resulting in significant savings for the Government.

Item: Capital Investment

Obligations:

1990	1991	1992	1993	1994	1995
13,000	13,000	13,364	13,671	13,917	14,098

Description: Provides for the purchase of information technology equipment where an initial capital outlay will result in the most efficient and cost effective operation of the Federal Telecommunications System and the least cost provision of services and facilities to Federal user agencies.

Operating Expenses, Information Resources Management Service

Item: GSA System (GSAS)

Obligations:

1990	1991	1992	1993	1994	1995
1,040	3,500	3,500	3,000	0	0

Description: Provides for the acquisition of information processing and data communications systems through utilization of state-of-the-art technology. It enables the Office of GSA Information Systems to maximize the quality of user support.

Item: Reimbursable Information Processing, Data Communications and Networking and Systems and Programing Support

Obligations:

1990	1991	1992	1993	1994	1995
35,991	38,051	39,116	40,016	40,736	41,266

Description: Provides for reimbursable shared information processing, data communications and networking and systems and programing support to include end user technical support at the mainframe, departmental and end user computing levels.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Major Information Technology Systems
1990-1995
(in thousands of dollars)

Headquarters

Item: Space Station TMIS, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
5,340.8	24,112.3	12,275.8	6,701.7	1,164.8	2,171.0

Description: Space Station TMIS ADP Equipment Purchases in Support of Management and Integration. 890053

Item: Scientific and Technical Information Facility, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,295.0	270.0	3.865.0	290.0	930.0	430.0

Description: Computer System Augmentations (STIF) in Support of Scientific and Tech Info-HQ use Only. 890058

Item: Space Station TMIS, Other ADP in-house Operating Expenses (Supplies and Training)

Obligations:

1990	1991	1992	1993	1994	1995
3,974.8	4,844.7	5,427.5	4,582.9	4,556.3	4,760.8

Description: Space station TMIS supplies and support in support of management and integration. 890135

Item: Headquarters Computer Complex, Contract For ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
7,350.0	7,110.0	8,454.7	8,839.3	9,172.9	9,555.6

Description: HQ IRM/facilities management contractor support (DT) in support of resources and program management. 890145

Item: Space Station TMIS, Contract For ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
13,725.3	15,174.7	15,532.9	14,202.1	14,194.2	15,247.0

Description: Space station TMIS ADP operations services in support of management and integration. 890147

Item: Headquarters Computer Complex, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
600.0	865.0	1,330.0	1,430.0	1,650.0	1,750.0

Description: Lease of software (DT) in support of resources and program management. 890150

Item: Headquarters - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
5,000.0	5,000.0	5,000.0	5,000.0	3,000.0	1,000.0

Description: NASA Accounting System (NT) in Support of Resources and Program Management. 890184

Item: HQS - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
2,075.0	2,900.0	2,900.0	2,900.0	2,900.0	2,900.0

Description: Contracts for analysis/Programming (M) in support of launch and mission support. 890196

Item: HQS - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
2,391.0	2,326.0	1,130.0	1,107.0	1,188.0	1,230.0

Description: NASA Personnel/payroll system (NPPS) (NT) in support of resources and program management. 890198

Item: Scientific and Technical Information Facility, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,272.9	1,336.5	1,403.5	1,473.5	1,547.2	1,624.6

Description: Support operations (LOE) (STIF) in support of scientific and tech info-HQ use only. 890212

Item: Space Station TMIS, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
12,190.8	12,384.0	10,862.4	7,275.9	7,185.7	7,696.8

Description: Space station TMIS contracts for analysis and programming in support of management and integration. 890215

Item: HQS - ADP Activity, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
2,240.0	2,214.0	2,392.0	1,871.0	1,693.0	1,500.0

Description: Studies and other-PMTP (H) in support of resources and program management. 890226

Item: HQS - ADP Activity, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
2,054.0	1,814.0	2,500.0	2,500.0	2,500.0	2,500.0

Description: Automated info. management (AIM COUNCIL) studies (NT) in support of resources and program management. 890228

Item: HQS - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
2,400.0	2,550.0	500.0	500.0	500.0	500.0

Description: Purchase micros and peripherals to upgrade/replace office automation system (M) in support of launch and mission support. 900020

Item: Headquarters Computer Complex, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,200.0	1,360.0	300.0	500.0	1,000.0	1,200.0

Description: Vax cluster upgrade/replacement and peripherals (DT) in support of resources and program management. 900026

Item: Headquarters Computer Complex, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
852.0	2,207.0	1,200.0	515.0	1,300.0	800.0

Description: Mainframe replacement/buyout of leased equipment.(DT) in support of resources and program management. 900030

Item: Headquarters Computer Complex, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
2,640.0	2,970.0	3,090.0	3,240.0	3,390.0	3,540.0

Description: Maintenance of ADP equipment included in field services contract (DT) in support of resources and program management. 900048

Item: HQS - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,934.0	1,964.0	2,304.0	1,564.0	816.0	877.0

Description: Systems analysis, design, and programming (NT) in support of resources and program management. 900054

Item: HQS - ADP Activity, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
2,295.0	2,675.0	2,675.0	2,675.0	2,500.0	2,500.0

Description: ADP related studies (NT) in support of resources and program management. 900058

Item: HQS - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
2,500.0	2,574.0	2,600.0	2,600.0	2,600.0	2,600.0

Description: ADP operations services (IBM 4381 in the HQCC) (M) in support of resources and program management. 910032

Item: **Space Station TMIS, ADPE Maintenance**

Obligations:	1990	1991	1992	1993	1994	1995
	2,680.0	4,341.0	9,135.0	8,540.0	9,285.0	9,401.0

Description: **Space station TMIS ADP equipment maintenance in support of management and integration. 910034**

Item: **HQS - ADP Activity, Contract for Analysis/Programming**

Obligations:	1990	1991	1992	1993	1994	1995
	205.0	1,091.0	1,135.0	1,191.0	1,251.0	1,313.0

Description: **System analysis, design, engineering, and programming (EP) in support of resources and program management. 910038**

AMES Research Center

Item: Information and Communications Systems D, Purchase ADP Hardware

Obligations:	1990	1991	1992	1993	1994	1995
	892.1	1,365.6	1,141.9	829.1	318.0	1,593.0

Description: **Hardware purchases electronic data interchange information system in support of resources and program management. 890024**

Item: Flight Systems and Simulation Research D, Purchase ADP Hardware

Obligations:	1990	1991	1992	1993	1994	1995
	2,389.6	1,289.7	0.0	1,964.8	0.0	2,206.4

Description: **System replacement (7600/760/SIGMA/PDP) X048 in support of aeronautics R&T base. 890188**

Item: Research Engineering Division, Purchase ADP Hardware

Obligations:	1990	1991	1992	1993	1994	1995
	59.6	64.8	2,289.7	7,167.7	1,493.5	3,208.7

Description: **ADPE Portion of new FY87 project OFTITF in support of aeronautics R&T base, high-performance aircraft systems technology. 890238**

Item: Numerical Aerodynamic Simulation Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
2,000.0	3,800.0	1,750.0	1,600.0	1,750.0	1,300.0

Description: DNS/LH communications (EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 890370

Item: Numerical Aerodynamic Simulation Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,079.0	1,150.0	2,500.0	6,000.0	4,250.0	5,250.0

Description: MSS/Support processors (EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 890374

Item: Numerical Aerodynamic Simulation Systems, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
9,363.0	8,988.0	8,988.0	8,988.0	2,996.0	0.0

Description: High speed processor 2(EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 890660

Item: Numerical Aerodynamic Simulation Systems, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
2,460.0	9,840.0	9,840.0	9,840.0	9,840.0	9,840.0

Description: High speed processor 3(EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 890662

Item: Numerical Aerodynamic Simulation Systems, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
9,815.0	0.0	0.0	0.0	0.0	0.0

Description: High speed processor 1(EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 890664

Item: Numerical Aerodynamic Simulation Systems, Other ADP In-house Operating Expenses (supplies and Training)

Obligations:

1990	1991	1992	1993	1994	1995
1,000.0	1,003.0	1,833.0	1,291.0	926.0	1,886.0

Description: R&D supplies RNNPSN in support of numerical aerodynamic simulation (NAS). 890736

Item: Computer Systems and Research Division, Lease of ADPE Time

Obligations:

1990	1991	1992	1993	1994	1995
0.0	1,301.8	1,370.0	1,444.1	1,525.3	1,621.7

Description: Computer time and related super computer services in support of space R&T base. 890782

Item: Flight Systems and Simulation Research D, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
735.3	812.5	915.7	1,354.5	1,970.1	2,806.3

Description: System replacement maintenance X048 in support of aeronautics R&T BASE. 890874

Item: Numerical Aerodynamic Simulation Systems, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
2,967.0	2,676.0	2,676.0	2,676.0	2,657.0	2,220.0

Description: Hardware maintenance RNNPSN in support of numerical aerodynamic simulation (NAS). 890992

Item: Numerical Aerodynamic Simulation Systems, Contract For ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
3,542.7	3,856.8	4,209.1	4,598.9	5,019.4	5,522.9

Description: Operations support (CSC) RNNPSN in support of numerical aerodynamic simulation (NAS). 890998

Item: Life Sciences Projects Office, Contract for ADP Operations

Obligations:

1990	1991	1992	1993	1994	1995
1,392.6	1,594.1	1,957.2	2,210.4	2,464.3	2,620.1

Description: Expenses for DEO contractors V059 in support of human space flight and systems engineering. 891028

Item: Information and Communications Systems D, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
3,220.9	2,272.7	2,391.7	2,521.1	2,662.7	3,453.3

Description: System design/anal. and programming electronic data interchange information system in support of resources and program management. 891052

Item: Flight Systems and Simulation Research D, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,065.6	1,300.7	1,660.1	2,277.9	3,313.8	4,964.4

Description: Programming X048 in support of aeronautics R&T base. 891062

Item: Science and Applications Aircraft Division, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,055.1	1,107.1	1,223.3	1,289.4	1,374.8	1,496.2

Description: Sterling software NAS2-12387 OMMADA in support of airborne research, airborne instrument research program. 891074

Item: Numerical Aerodynamic Simulation Systems, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,973.0	2,047.0	2,122.0	2,199.0	2,272.0	2,351.0

Description: Development support (CSC) RNNPSN in support of numerical aerodynamic simulation (NAS). 891102

Item: Research Engineering Division, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
666.8	553.5	757.3	1,105.2	935.1	1,103.2

Description: R/T processing and display system upgrades of IATR in support of ground network. 900260

Item: SWTDS, Code RA, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
515.0	2,300.0	1,300.0	3,400.0	0.0	0.0

Description: Data acquisition and computer equipment P034 in support of aeronautics R&T base. 900318

Item: Numerical Aerodynamic Simulation Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,645.0	2,381.0	2,022.0	2,344.0	1,669.0	2,494.0

Description: Applied research (EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 900358

Item: Numerical Aerodynamic Simulation Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,569.0	2,218.0	2,269.0	2,321.0	2,375.0	2,430.0

Description: OPS communications RNNPSN in support of numerical aerodynamic simulation (NAS). 900360

Item: Numerical Aerodynamic Simulation Systems, Other ADP In-house Operating Expenses (Supplies and Training)

Obligations:

1990	1991	1992	1993	1994	1995
1,011.0	1,931.0	3,423.0	1,875.0	1,025.0	2,568.0

Description: Operations supplies RNNPSN in support of numerical aerodynamic

Item: Serv B, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
4,756.0	5,239.4	5,787.7	6,406.4	7,105.0	7,932.0

Description: Hardware purchase PSC in support of aeronautics R&T base, space R&T base. 910014

Item: Serv U, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
966.5	1,064.8	1,176.8	1,302.4	1,444.3	1,612.4

Description: Bendix/NAS2-11578 equipment/materials/maintenance EDODCS in support of aeronautics R&T base, space R&T base. 910016

Item: Serv A, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,792.7	2,035.9	2,330.2	2,706.9	3,085.3	3,544.6

Description: Hardware purchase T191 in support of solar terrestrial and astrophysics SR&T, ground network, aeronautics R&T base. 910034

Item: Numerical Aerodynamic Simulation Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
955.0	983.0	1,011.0	1,039.0	1,069.0	1,100.0

Description: MSS/ISPC(EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 910036

Item: ARC - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
7,564.3	7,096.1	6,877.1	6,705.0	6,860.0	7,360.0

Description: Action with 1 yr cost < 250K, cum < 1000 in support of aeronautics R&T base. 910040

Item: ARC - ADP activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
2,142.6	2,206.1	3,412.3	3,174.8	3,413.8	3,699.8

Description: Action with 1 yr cost < 250K, cum < 1000 in support of aeronautics R&T base. 910048

Item: Numerical Aerodynamic Simulation Systems, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	0.0	0.0	10,450.0	11,400.0

Description: High speed processor 4(EAD) RNNPSN in support of numerical aerodynamic simulation (NAS). 910052

Item: ARC - ADP Activity, Other ADP In-house Operating Expenses (Supplies and Training)

Obligations:

1990	1991	1992	1993	1994	1995
1,434.7	1,554.1	1,786.8	1,933.1	2,165.9	2,345.1

Description: Action with 1 yr cost < 250K,cum < 1000 in support of aeronautics R&T base. 910056

Item: Computer Systems and Research Division, Lease of ADPE Time

Obligations:

1990	1991	1992	1993	1994	1995
7,638.2	8,037.9	8,459.1	8,916.5	9,417.5	10,012.9

Description: Computer equipment (Y-MP) super computer in support of aeronautics R&T base. 910060

Item: Computer Systems and Research Division, Lease of ADPE Time

Obligations:

1990	1991	1992	1993	1994	1995
4,839.3	5,479.7	7,105.3	7,489.6	7,910.4	8,410.5

Description: Non-equipment cost (ZERO-1) super computer in support of aeronautics R&T base. 910062

Item: Serv Y, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,033.9	1,306.3	1,511.0	1,688.6	1,962.4	2,296.0

Description: Master ADP maintenance contract T101 in support of aeronautics R&T base, space R&T base. 910070

Item: Serv Y, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,144.7	1,445.7	1,673.0	1,870.3	2,172.4	2,541.4

Description: Master ADP replacement Parts T101 in support of aeronautics R&T base, space R&T base. 910072

Item: Serv Y, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,513.9	1,912.9	2,213.6	2,473.2	2,874.1	3,360.6

Description: Master ADP subcontract support T101 in support of aeronautics R&T base, space R&T base. 910074

Item: ARC - ADP Activity, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
1,805.6	1,960.4	1,974.5	2,095.8	2,205.4	2,363.7

Description: Action wth 1 yr cost < 250K,cum < 1000 in support of aeronautics R&T base. 910086

Item: ARC - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
2,074.9	2,128.4	2,640.4	2,916.7	3,108.9	3,371.3

Description: Action Wth 1 yr cost < 250K,cum < 1000 in support of aeronautics R&T base. 910088

Item: Serv A, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,123.8	1,273.5	1,447.4	1,647.7	1,879.6	2,158.3

Description: ARMY Programming services T191 in support of aeronautics R&T base. 910090

Item: Serv A, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
10,625.1	12,040.9	13,685.3	15,579.4	17,771.2	20,508.3

Description: Programming services T191 in support of aeronautics R&T base. 910092

Item: Serv A, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
804.1	911.3	1,035.8	1,179.1	1,345.0	1,544.5

Description: USAF programming services T191 in support of advanced launch system (ALS) - propulsion. 910094

Item: Infrared Astronomy Projects Office, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
0.0	3,874.5	4,893.0	5,157.6	5,447.4	5,791.8

Description: Programming services LSSSDF in support of solar terrestrial and astrophysics SR&T. 910098

Item: ARC - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
2,281.2	2,113.1	1,814.8	1,887.3	1,927.5	1,423.1

Description: Action wth 1 yr cost < 250K,cum < 1000 in support of aeronautics R&T base, space R&T base. 910100

Lewis Research Center

Item: Central Scientific Cluster, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
815.0	2,630.0	1,930.0	1,635.0	1,990.0	1,990.0

Description: Central scientific cluster hardware in support of space R&T base (part of carrier account). 890030

Item: Multi-purpose Central Scientific System-VM, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
762.0	520.0	2,645.0	2,895.0	1,520.0	1,520.0

Description: VM Hardware in support of space R&T base (part of carrier account). 890036

Item: Multi-purpose Central Scientific System-MVS, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
455.0	640.0	905.0	925.0	1,100.0	1,100.0

Description: MVS Hardware in support of resources and program management. 890038

Item: LERC - ADP Activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
1,213.0	995.0	1,085.0	1,020.0	1,045.0	1,095.0

Description: Network components in support of lerc resources and program management (part of carrier account). 890060

Item: LERC - ADP Activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
1,515.0	1,390.0	1,725.0	1,785.0	2,085.0	2,395.0

Description: Lewis Info. Network Fiber Optic Hardware in Support of LERC resources and program management (part of carrier account). 890062

Item: Lewis Information Management System, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
9,461.0	6,900.0	3,187.0	2,368.0	2,059.0	2,114.0

Description: Lewis Info Management System Work Station Hardware and Software in Support of LERC resources and program management (part of carrier account). 890064

Item: Scientific System, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
2,225.0	2,900.0	4,185.0	6,540.0	9,495.0	11,500.0

Description: Interactive computer-assisted research and engineering. Hardware in support of LERC resources and program management (part of carrier account). 890074

Item: Scientific System, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
350.0	650.0	1,100.0	1,500.0	1,500.0	1,500.0

Description: Interactive computer-assisted research and engineering software in support of LERC resources and program management (part of carrier account). 890080

Item: High Speed Computational System, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,725.0	8,500.0	8,000.0	8,525.0	9,600.0	10,000.0

Description: Super-computer hardware in support of LERC resources and program management (part of carrier account). 890110

Item: Lewis Information Management System, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,713.0	3,272.0	3,741.0	3,741.0	3,741.0	3,741.0

Description: Lewis info. management system maintenance in support of resources and program management. 890130

Item: LERC - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
3,765.0	4,020.0	4,297.0	4,569.0	4,839.0	4,929.0

Description: Maintenance/operations contract (MOPACS) in support of LERC resources and program management (part of carrier account). 890132

Item: LERC - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,247.0	1,342.0	1,433.0	1,523.0	1,613.0	1,723.0

Description: Maintenance/operations contract (MOPACS) in support of LERC resources and program management (part of carrier account). 890134

Item: Scientific System, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
402.0	841.0	819.0	930.0	1,075.0	1,075.0

Description: Scientific system software in support of LERC resources and program management (part of carrier account). 890146

Item: High Speed Computational System, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
859.0	1,484.0	1,484.0	1,300.0	950.0	950.0

Description: Super-computer maintenance in support of LERC resources and program management (part of carrier account). 890164

Item: Multi-purpose Central Scientific System-VM, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
708.0	890.0	1,250.0	1,535.0	1,880.0	2,030.0

Description: AMDAHL 5860/VM Software in support of LERC resources and program management (part of carrier account). 890168

Item: Multi-purpose Central Scientific System-MVS, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
1,246.0	2,011.0	1,946.0	1,946.0	1,946.0	1,946.0

Description: AMDAHL 5860/MVS software in support of resources and program management. 890170

Item: Lewis Information Management System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,600.0	1,500.0	1,220.0	500.0	500.0	800.0

Description: Lewis info. management system support serv contractors in support of resources and program management. 890182

Item: LERC - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
8,724.0	9,679.0	10,706.0	11,386.0	11,893.0	12,303.0

Description: General support service contract personnel in support of resources and program management. 890188

Item: LERC - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
900.0	1,000.0	1,050.0	1,100.0	1,100.0	1,100.0

Description: Business code redevelopment in support of resources and program management. 890190

Item: Scientific System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,040.0	1,265.0	1,580.0	1,705.0	1,830.0	1,835.0

Description: Scientific system support in support of resources and program management. 890198

Item: Scientific System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
650.0	755.0	1,150.0	1,485.0	1,520.0	1,525.0

Description: Interactive computer-assisted research and engineering system support in support of LERC resources and program management (part of carrier account). 890200

Item: Parallel Processor, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
300.0	500.0	2,000.0	2,000.0	1,700.0	1,700.0

Description: Parallel processor hardware in support of LERC resources and program management (part of carrier account). 900014

Item: LERC - ADP Activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
905.0	1,035.0	1,080.0	950.0	950.0	950.0

Description: Actions wth 1 yr. costs < $250K and cum. costs < $1M in support of resources and program management. 900028

Item: Scientific System, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,015.0	1,822.0	1,822.0	900.0	500.0	500.0

Description: Scientific system hardware in support of LERC resources and program management (part of carrier account). 900036

Langley Research Center

Item: LARC Business Data Processing System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,838.0	3,657.0	1,385.0	1,309.0	1,305.0	2,805.0

Description: Update and augment CPU and procure peripherals in support of resources and program management. 890012

Item: LARC - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
3,225.0	4,050.0	3,750.0	3,550.0	3,500.0	3,500.0

Description: Actions wth 1 yr. Costs < $250K and cum. costs < $1M in support of aeronautics R&T base. 890020

Item: LARC Central Scientific Computer Complex, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
7,000.0	4,000.0	0.0	0.0	0.0	0.0

Description: Super computing in support of aeronautics R&T base, space R&T base. 890028

Item: LARC Central Scientific Computer Complex, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	0.0	4,600.0	7,000.0	7,400.0

Description: Replacement augmentation in support of aeronautics R&T base. 890032

Item: LARC Central Scientific Computer Complex, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,100.0	600.0	1,500.0	1,200.0	600.0	700.0

Description: Peripherals in support of aeronautics R&T base. 890034

Item: LARC - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
3,230.0	3,300.0	3,300.0	3,300.0	3,300.0	3,300.0

Description: Miscellaneous actions less than $50K in support of aeronautics R&T base. 890038

Item: LARC - ADP Activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
2,022.0	2,333.0	2,115.0	2,015.0	2,415.0	2,015.0

Description: Actions wth 1 yr. costs < $250K and cum. costs < $1M in support of aeronautics R&T base. 890110

Item: LARC - ADP Activity, Other ADP In-house Operating Expenses (Supplies and Training)

Obligations:

1990	1991	1992	1993	1994	1995
1,946.0	2,015.0	2,117.0	2,181.0	2,238.0	2,321.0

Description: Actions wth 1 yr. costs < $250K and cum. costs < $1M in support of LARC resources and program management, aeronautics R&T base. 890136

Item: LARC - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
9,140.0	10,162.0	10,849.0	11,049.0	11,644.0	12,323.0

Description: ADPE maintenance contract in support of aeronautics R&T base. 890148

Item: LARC - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
8,510.0	9,530.0	9,661.0	9,845.1	10,037.0	10,235.0

Description: Services contract in support of LARC resources and program management, aeronautics R&T base. 890150

Item: LARC - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
16,173.6	17,329.9	18,224.4	18,666.6	19,145.0	19,556.5

Description: A programming and contracting support of aeronautics R&T base. 890154

Item: LARC - ADP Activity, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
1,057.0	1,079.0	1,102.0	1,127.0	1,152.0	1,178.0

Description: Actions wth 1 yr. costs < $250K and cum. costs < $1M in support of small business innovation research (SBIR), aeronautics R&T base. 890156

Item: LARC Central Scientific Computer Complex, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	1,700.0	6,600.0	2,000.0	0.0	0.0

Description: Supercomputer upgrade in support of aeronautics R&T base. 910012

Goddard Space Flight Center

Item: Space and Earth Sciences Computing Center, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
3,648.0	4,070.0	5,007.0	5,007.0	5,407.0	5,707.0

Description: Space and earth sciences computing center in support of data systems. 900014

Item: Network Miscellaneous Support System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
300.0	6,760.0	1,880.0	690.0	690.0	200.0

Description: Network miscellaneous support system in support of space network. 900068

Item: Multi-satellite Operations Control Center, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
422.8	2,913.6	2,604.0	5,933.0	1,486.0	1,544.0

Description: Multi-satellite operations control center in support of communications and data systems. 900070

Item: Command Management System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
400.0	1,600.0	2,200.0	2,750.0	3,400.0	3,700.0

Description: Command management system in support of communications and data systems. 900076

Item: Operations Support Computing Facility SY, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,300.0	2,500.0	2,800.0	1,000.0	1,400.0	1,400.0

Description: Operations support computing facility system in support of communications and data systems. 900078

Item: Space and Earth Sciences Computing Center, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
2,549.0	2,152.0	1,872.0	1,908.0	1,966.0	2,151.0

Description: Space and earth sciences computing center in support of data systems. 900200

Item: Space and Earth Sciences Computing Center, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
1,211.0	1,051.0	893.0	930.0	960.0	945.0

Description: Space and earth sciences computing center in support of data systems. 900204

Item: National Space Science Data Center System, Contract For ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,519.0	1,354.0	1,439.0	1,506.0	1,549.0	1,628.0

Description: National space science data center system in support of data systems. 900208

Item: Central Telemetry Data Processing and DA, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
852.0	891.0	921.0	959.0	1,004.0	1,044.0

Description: Central telemetry data processing system in support of communications and data systems. 900210

Item: Central Telemetry Data Processing and DA, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
2,459.0	2,271.0	2,335.0	2,430.0	2,528.0	2,618.0

Description: Central telemetry data processing system in support of communications and data systems. 900212

Item: Telemetry On-line Processing System (TEL) Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
7,684.0	8,830.0	9,106.0	9,136.0	9,279.0	9,419.0

Description: Telemetry on-line processing system in support of communications and data systems. 900284

Item: Spacelab Input Processing System, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
3,901.0	6,086.0	8,297.0	8,486.0	4,236.0	3,331.0

Description: Spacelab input processing system in support of communications and data systems. 900288

Item: Mission and Data Operations Test Bed Program, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
848.0	887.0	928.0	973.0	1,016.0	1,063.0

Description: Mission and data operations test and processing in support of communications and data systems. 900290

Item: Mission and Data Operations Test Bed Program, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
2,583.0	3,042.0	3,355.0	3,477.0	3,592.0	3,664.0

Description: Mission and data operations test and processing in support of communications and data systems. 900292

Item: NASA Communications System (NASCOM), ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
990.0	1,730.0	1,070.0	1,115.0	1,160.0	1,200.0

Description: NASA communications (NASCOM) system in support of communications and data systems. 900314

Item: Meteorological Data Handling System, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
862.0	946.0	997.0	1,055.0	1,120.0	1,208.0

Description: Meteorological data handling system in support of communications and data systems. 900322

Item: Flight Dynamics System, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
767.0	797.0	830.0	864.0	898.0	934.0

Description: Flight dynamics system in support of communications and data systems. 900334

Item: Space and Earth Sciences Computing Center, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
3,665.0	3,345.0	3,362.0	3,407.0	3,475.0	3,281.0

Description: Space and earth sciences computing center in support of global scale atmospheric processes, data Systems. 900366

Item: National Space Science Data Center System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
998.0	1,073.0	1,141.0	1,194.0	1,156.0	1,215.0

Description: National space science data center system in support of data systems. 900368

Item: Central Telemetry Data Processing and DA, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,413.0	1,633.0	744.0	895.0	588.0	609.0

Description: Central telemetry data processing system in support of communications and data systems. 900370

Item: Business Data Processing System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
3,731.9	5,554.6	0.0	0.0	0.0	0.0

Description: Business data processing system in support of resources and program management. 900372

Item: Planetary Atmospheres Data Processing System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,476.0	1,229.0	1,773.0	845.0	592.0	0.0

Description: Planetary atmospheres data processing system. In support of mission operations and data analysis, upper atmospheric research satellite (UARS). 900390

Item: Applications Image Processing System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
202.0	863.0	1,565.0	1,667.0	1,769.0	46.0

Description: Applications image processing system in support of astrophysics mission operations and data analysis. 900404

Item: Telemetry On-line Processing System (TEL) Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,429.0	1,434.0	1,482.0	1,401.0	1,539.0	1,584.0

Description: Telemetry on-line processing system in support of communications and data systems. 900406

Item: Spacelab Input Processing System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
849.0	1,056.0	1,038.0	1,100.0	1,167.0	1,232.0

Description: Spacelab input processing system in support of communications and data systems. 900408

Item: Mission and Data Operations Test Bed Program, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
4,163.0	4,906.0	4,719.0	4,516.0	4,666.0	4,984.0

Description: Mission and data operations test and processing in support of advanced systems, communications and data systems. 900412

Item: Spacecraft Integration and Control System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
5,373.0	1,238.0	0.0	0.0	0.0	0.0

Description: Spacecraft integration and control system in support of astrophysics mission operations and data analysis, hubble space telescope (HST) operations and servicing, cosmic background explorer (COBE). 900416

Item: Network Miscellaneous Support System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,890.0	2,663.0	3,001.0	2,345.0	2,394.0	2,607.0

Description: Network miscellaneous support system in support of space network. 900426

Item: Multi-satellite Operations Control Center, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
9,080.0	11,066.0	11,512.0	10,369.0	9,651.0	8,655.0

Description: Multi-satellite operations control center in support of communications and data systems. 900428

Item: IUE Operations Control Center System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
2,943.0	3,061.0	3,158.0	3,277.0	3,449.0	0.0

Description: IUE Operations control center system in support of astrophysics mission operations and data analysis. 900430

Item: Space Telescope Operations Control System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
483.0	680.0	884.0	966.0	1,390.0	1,466.0

Description: Space telescope operations control center in support of communications and data systems. 900432

Item: Flight Dynamics System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
12,874.0	18,100.0	19,740.0	19,300.0	17,100.0	16,100.0

Description: Flight dynamics system in support of communications and data systems. 900434

Item: Command Management System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
11,704.0	12,752.0	14,144.0	14,834.0	16,346.0	16,702.0

Description: Command management system in support of communications and data systems. 900436

Item: Operations Support Computing Facility System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
14,227.0	13,956.0	14,953.0	15,525.0	17,418.0	16,309.0

Description: Operations support computing facility system in support of space network.

Item: GSFC - ADP Activity, Construction or Modifications of a Site for ADPE

Obligations:

1990	1991	1992	1993	1994	1995
8,640.0	960.0	0.0	0.0	0.0	0.0

Description: Customer data operation facility in support of cost of facilities. 910112

Item: GSFC - ADP Activity, Construction or Modifications of a Site for ADPE

Obligations:

1990	1991	1992	1993	1994	1995
0.0	8,000.0	17,000.0	17,000.0	0.0	0.0

Description: Earth observing satellite distribution facility in support of cost of facilities. 910118

Item: Network Miscellaneous Support System, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
4,720.0	5,084.0	5,472.0	5,511.0	5,572.0	5,480.0

Description: Network miscellaneous support system in support of space network. 910298

Item: Multi-satellite Operations Control Center, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
3,170.0	3,443.0	3,650.0	3,865.0	4,096.0	4,322.0

Description: Multi-satellite operations control center in support of communications and data systems. 910300

Item: ISTP Central Data Handling Facility System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,118.0	1,310.0	673.0	894.0	758.0	391.0

Description: ISTP Central data handling facility in support of collaborative solar terrestrial research (COSTR). 910320

Item: Shuttle POCC Interface Facility System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
2,834.0	3,111.0	2,873.0	2,505.0	1,911.0	1,500.0

Description: Shuttle POCC interface facility system in support of hubble space telescope (HST) operations and servicing. 910348

Jet Propulsion Laboratory

Item: Administrative Applications Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,004.0	1,096.0	1,526.0	1,157.0	770.0	0.0

Description: IBM 3090-120E upgrade for administrative support in support of hubble space telescope (HST) operations and servicing (PART OF900016)

Item: Ground Communication Facility Operational System, Purchase ADP Hardware

Obligations:	1990	1991	1992	1993	1994	1995
	1,716.0	2,095.0	1,629.0	2,351.0	0.0	0.0

Description: Gould processors; ground communication facility upgrade in support of communications and data systems. 900036

Item: Network Operations Control Center System, Purchase ADP Hardware

Obligations:	1990	1991	1992	1993	1994	1995
	500.0	1,500.0	1,500.0	1,500.0	1,500.0	0.0

Description: Network operations control center workstations in support of ground network. 900040

Item: Flight Project Operational Systems, Purchase ADP Hardware

Obligations:	1990	1991	1992	1993	1994	1995
	376.0	193.0	193.0	193.0	2,400.0	1,774.0

Description: Image processing implementation in support of mission operations and data analysis. 900062

Item: JPL - ADP Activity, Construction or Modifications of a Site for ADPE

Obligations:	1990	1991	1992	1993	1994	1995
	723.0	778.0	839.0	850.0	900.0	950.0

Description: ACS and Flight project computing facilities in support of mission operations and data analysis (part of carrier account). 900078

Item: JPL - ADP Activity, Lease of Space Required for ADP Operations

Obligations:	1990	1991	1992	1993	1994	1995
	3,513.0	3,935.0	4,407.0	4,936.0	5,578.0	6,247.0

Description: Lease of space for system and personnel in support of mission operations and data analysis (part of carrier account). 900080

Item: JPL - ADP Activity, ADPE Maintenance

Obligations:	1990	1991	1992	1993	1994	1995
	6,208.0	6,518.0	6,844.0	7,186.0	7,546.0	7,922.0

Description: OAO OPS/MTS in support of mission operations and data analysis (part of carrier account). 900094

Item: JPL - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
3,133.0	3,321.0	3,520.0	3,731.0	3,955.0	4,192.0

Description: DSN M&O bendix contract in support of ground network. 900100

Item: JPL - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,017.0	1,088.0	1,164.0	1,245.0	1,332.0	1,425.0

Description: SUN Microsystems hardware MTS user supported services in support of ground network (part of carrier account). 900106

Item: JPL - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,124.0	1,191.0	1,262.0	1,338.0	1,418.0	1,498.0

Description: VAX Hardware MTS - user supported services in support of ground network (part of carrier account). 900112

Item: JPL - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,350.0	1,450.0	1,550.0	2,000.0	2,300.0	2,650.0

Description: Facility maintenance Bldg 600, 601, 602 in support of ground network (part of carrier account). 900114

Item: JPL - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
9,264.0	9,829.0	10,407.0	11,032.0	11,694.0	12,396.0

Description: DSN M&O Bendix contract in support of ground network. 900128

Item: JPL - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,788.0	1,895.0	2,009.0	2,129.0	2,257.0	2,392.0

Description: DSN M&O Bendix contract GCF OPS in support of communications and data systems. 900134

Item: JPL - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
266.0	1,136.0	1,553.0	1,588.0	1,611.0	0.0

Description: Operations support for TOPEX operations center in support of ocean topography experiment (TOPEX)

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
17,604.0	12,000.0	10,856.0	9,081.0	3,867.0	3,948.0

Description: JPL programming/analysis in support of appl systems analyses and studies, mission operations and data analysis. 900160

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,793.0	1,901.0	2,015.0	2,136.0	2,264.0	2,400.0

Description: Bendix Programmers/anal. for deep space network operations in support of ground network. 900164

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
1,908.0	2,022.0	500.0	530.0	562.0	596.0

Description: TELOS development, GCF upgrade and sust. in support of communications and data systems. 900172

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
6,346.0	6,765.0	6,944.0	7,192.0	7,500.0	0.0

Description: RDA; analysis/Programming for ARMY in support of appl systems analyses and studies. 900190

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
7,000.0	7,000.0	9,000.0	0.0	0.0	0.0

Description: DSCS-generic principles trainer in support of appl systems analyses and studies. 900194

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
882.0	926.0	1,071.0	1,124.0	1,180.0	0.0

Description: Merrie computing;analysis and programming in support of appl systems analyses and studies. 900212

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
3,500.0	3,500.0	3,500.0	3,500.0	0.0	0.0

Description: Programming analysis for FPO TELOS replacement in support of mission operations and data analysis. 900218

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
882.0	926.0	972.0	1,021.0	1,072.0	1,126.0

Description: MIPL Software development (STERLING) in support of mission operations and data analysis. 900220

Item: JPL - ADP Activity, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
1,819.0	1,928.0	2,044.0	2,166.0	2,296.0	2,434.0

Description: Deep space network Bendix management support in support of ground network. 900234

Item: JPL - ADP Activity, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
2,169.0	2,189.0	2,254.0	2,350.0	2,445.0	2,568.0

Description: JPL Other in support of ground network (part of carrier account). 900236

Item: JPL - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
3,086.0	2,071.0	1,607.0	572.0	799.0	516.0

Description: Actions with cumulative costs less than $1M in support of advanced programs (part of carrier account). 910012

Item: **JPL - ADP Activity, Purchase ADP Hardware**

Obligations:

1990	1991	1992	1993	1994	1995
7,300.0	2,126.0	0.0	0.0	0.0	0.0

Description: Not selected, CONS CONVERVGR, GAL, ULS in support of mission operations and data analysis. 910014

Item: General Technical Support Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
800.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0

Description: Supercomputer hardware acquisition in support of mission operations and data analysis. 910020

Item: Flight Project Development and Prototype System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,775.0	1,775.0	1,775.0	1,775.0	0.0	0.0

Description: SFOC peripherals in support of mission operations and data analysis. 910032

Item: JPL - ADP Activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
1,078.0	1,033.0	936.0	897.0	918.0	229.0

Description: Actions with cumulative costs less than $1M in support of advanced programs (part of carrier account). 910048

Item: JPL - ADP Activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
0.0	1,084.0	5,020.0	3,941.0	3,440.0	2,500.0

Description: Not selected, CRAF/CASSINI in support of mission operations and data analysis. 910052

Item: JPL - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
2,686.0	2,849.0	2,919.0	2,840.0	2,827.0	2,326.0

Description: Actions with cumulative costs less than $1M in support of mission operations and data analysis (part of carrier account). 910064

Item: JPL - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,101.0	1,057.0	1,069.0	1,072.0	1,121.0	778.0

Description: Actions with cumulative costs less than $1M in support of GALILEO, mission operations and data analysis. 910074

Item: JPL - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,758.0	1,896.0	1,664.0	1,822.0	1,933.0	2,047.0

Description: OAO Corp FPSO in support of mission operations and data analysis. 910076

Item: JPL - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,725.0	3,000.0	3,000.0	3,000.0	3,000.0	3,000.0

Description: Install supercomputer M&O in support of mission operations and data analysis (part of carrier account). 910080

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
17,312.0	14,140.0	12,195.0	7,955.0	5,874.0	4,858.0

Description: Actions with cumulative costs less than $1M in support of mission operations and data analysis.

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
6,492.0	3,799.0	2,024.0	1,379.0	123.0	0.0

Description: System contractors for mass in support of mission operations and data analysis (part of carrier account). 910100

Item: JPL - ADP Activity, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
3,504.0	3,648.0	3,160.0	3,240.0	3,400.0	0.0

Description: TELOS S/W Development contract in support of ground network. 910108

Item: JPL - ADP Activity, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
6,492.0	3,799.0	2,024.0	1,379.0	123.0	0.0

Description: System consultants for mass in support of ground network (part of carrier account). 910114

Marshall Space Flight Center

Item: System development and implementation, MIS multiple systems, purchase ADP hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,189.0	1,278.0	1,336.0	1,397.0	1,742.0	1,820.0

Description: Management information system node upgrade/replacements in support of MSFC resources and program management, operations support. 890012

Item: System Development and Implementation, MIS Multiple Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
3,565.0	3,836.0	4,008.0	4,188.0	5,226.0	5,461.0

Description: Management information system peripherals and terminals in support of MSFC resources and program management, operations support. 890014

Item: Systems Development and Implementation SPO, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	2,565.0	1,192.0	1,246.0	1,301.0	1,361.0

Description: Shuttle node augmentation in support of flight hardware. 890030

Item: Materials and Processes, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,780.0	1,135.0	1,085.0	945.0	890.0	390.0

Description: Upgrade VAX for materials data base in support of pressurized modules, solid rocket booster. 890134

Item: **Engineering Analysis and Data System, EADS, Lease of ADP Hardware**

Obligations:

1990	1991	1992	1993	1994	1995
19,562.0	21,588.0	19,402.0	18,965.0	19,037.0	19,094.0

Description: Engineering analysis and data system in support of research and test operations. 890178

Item: Systems Development and Implementation MIS, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,319.0	1,379.0	1,441.0	1,506.0	442.0	462.0

Description: Management information system host augmentation in support of MSFC resources and program management, operations support. 890186

Item: System Development and Implementation, MULTI, Contract For ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
2,570.0	2,686.0	2,806.0	2,933.0	3,065.0	1,046.0

Description: Computational mission services contract in support of resources and program management. 890202

Item: System Development and Implementation, MULTI, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
10,759.0	12,084.0	13,903.0	14,809.0	15,868.0	8,836.0

Description: Computational mission services contract in support of pressurized modules, operations support. 890206

Item: Slidell Computer Complex, SCC, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
6,331.0	5,311.0	5,060.0	5,093.0	4,982.0	0.0

Description: Mission service contract in support of operations support (part of carrier account). 890238

Item: System Development and Implementation, MULTI, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
6,505.0	11,033.0	11,521.0	12,040.0	12,581.0	10,818.0

Description: Computational mission services contract in support of MSFC resources and program management, operations support. 890250

Item: System Development and Implementation, MULTI, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
13,876.0	15,604.0	17,706.0	18,191.0	18,760.0	12,973.0

Description: Computational mission services contract in support of pressurized modules, flight hardware. 890254

Item: Huntsville Operations Support Center, MULTI, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
11,621.0	10,330.0	12,724.0	13,190.0	13,333.0	12,065.0

Description: Computational miscion services contract in support of spacelab mission mgt--approved mission, spacelab operations. 900060

Item: MSFC ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
7,375.0	6,838.0	4,416.0	3,701.0	2,904.0	1,725.0

Description: Actions with 1 yr cost <$250K and cum cost <$1M in support of pressurized modules. 910012

Item: Slidell Computer Complex, SCC, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	726.0	1,436.0	1,442.0	1,448.0	0.0

Description: Unisystem 1100/90 system replacement in support of pressurized modules (part of carrier account). 910054

Item: MSFC ADP Activity, Other ADP In-house Operating Expenses (supplies and Training)

Obligations:

1990	1991	1992	1993	1994	1995
568.0	974.0	981.0	1,009.0	1,045.0	740.0

Description: Actions with 1 yr cost <$250K and cum cost <$1M in support of MSFC resources and program management, flight hardware. 910062

Item: System Development and Implementation, MULTI, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
5,000.0	6,000.0	7,000.0	5,000.0	3,000.0	2,000.0

Description: Intra-agency Services, NASA Acct and Financial Info System in Support of Resources and Program Management. 910070

Stennis Space Center

Item: SSC - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
960.0	1,003.0	1,048.0	1,095.0	1,145.0	1,196.0

Description: SVT. support-navoceano project in support of operations support. 900106

Item: SSC - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,142.0	2,016.0	2,135.0	2,172.0	2,603.0	2,203.0

Description: Base support ADP equipment purchases in support of resources and program management. 900136

Johnson Space Center

Item: Center Information System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,304.0	4,550.0	2,782.0	2,651.0	2,867.0	4,149.0

Description: Center information system augmentation in support of NSTL resources and program management (part of carrier account). 890034

Item: Shuttle Mission Simulator Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	0.0	5,067.0	5,566.0	5,127.0

Description: Facility upgrade computer acquisition in support of launch and mission support. 890060

Item: Integrated Management Information Center, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
2,100.0	2,300.0	2,500.0	2,500.0	2,700.0	2,800.0

Description: Integrated management information systems upgrade in support of launch and mission support. 890212

Item: Software Support Environment, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,707.0	375.0	0.0	1,750.0	2,400.0	2,400.0

Description: SSE development facility host system in support of management and integration. 890214

Item: Central Computing Facility, Construction or Modifications of a Site for ADPE

Obligations:

1990	1991	1992	1993	1994	1995
0.0	11,000.0	0.0	0.0	0.0	0.0

Description: Build Phase II of new central computing facility in support of cost of facilities. 890254

Item: JSC - ADP Activity, Other ADP In-house Operating Expenses (Supplies and Training

Obligations:

1990	1991	1992	1993	1994	1995
1,657.7	1,713.6	1,772.8	1,846.7	1,925.0	2,004.4

Description: Center supplies and other in support of flight operations. 890300

Item: Mission Operations Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
29,326.8	30,747.1	32,567.4	33,535.4	35,070.4	36,642.2

Description: Rockwell Shuttle Operations Co NAS 9-18000 in support of flight operations. 890322

Item: Mission Operations Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
16,368.6	17,156.6	18,142.4	18,675.5	19,515.8	20,371.8

Description: Rockwell Shuttle Operations Co NAS 9-18000 in support of flight operations. 890324

Item: Mission Control Center, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
745.9	783.1	822.3	863.4	906.6	951.9

Description: Rockwell Shuttle Operations Co NAS 9-18000 in support of flight operations. 890328

Item: Mission Operations Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,251.0	1,251.8	1,367.0	1,427.3	1,512.5	1,580.6

Description: Air Force project in support of Orbiter. 890338

Item: Mission Operations Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,896.9	1,898.1	2,072.9	2,164.3	2,293.5	2,396.7

Description: Air Force project in support of Orbiter. 890340

Item: Mission Support Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
811.0	841.0	873.0	906.0	939.0	940.0

Description: Remaining contractors in support of data system and flight operation. 890416

Item: Mission Support Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
0.0	1,237.0	2,251.0	2,508.0	2,758.0	3,035.0

Description: Operations automatic data processing contract-OADP in support of operations/utilization capability development (OUCD), space station operations. 890426

Item: Mission Support Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
990.0	3,067.0	4,665.0	5,150.0	400.0	57.0

Description: Space station support contractor in support of operations/utilization capability development (OUCD). 890428

Item: Mission Support Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
2,567.0	2,585.0	2,631.0	2,738.0	6,668.0	6,662.0

Description: Facility operations and support NAS 9-17830 in support of management and integration. 890430

Item: Mission Support Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
11,971.0	14,738.0	18,705.0	19,941.0	20,838.0	25,254.0

Description: Computer Science Corporation NAS 9-17920 in support of assembly hardware/subsystems, flight operations, data system and flight operation. 890438

Item: White Sands Test Facility, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
731.7	828.9	836.1	873.6	912.7	953.7

Description: Lockheed Engineering and Sciences Co NAS 9-95619 in support of JSC resources and program management, flight operations. 890458

Item: Space and Life Sciences Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,450.0	1,662.0	1,899.0	2,170.0	2,481.0	2,837.0

Description: Lockheed Engineering and Sciences Company NAS9-17900 in support of flight operations (part of carrier account). 890462

Item: Mission Operations Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
52,307.9	54,731.9	57,549.7	58,296.5	64,413.1	62,982.1

Description: Rockwell Shuttle Operations Co NAS 9-18000 in support of flight operations. 890482

Item: Mission Operations Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
7,471.4	8,293.9	8,649.4	8,884.3	9,260.8	9,662.4

Description: Air Force project in support of Orbiter. 890484

Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
6,996.5	583.6	0.0	0.0	0.0	0.0

Description: International Business Machine NAS 9-16920 in support of Orbiter, launch and mission support. 890518

Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
11,105.0	14,495.0	15,463.0	13,494.0	7,629.0	0.0

Description: Lockheed Missiles and Space Co NAS 9-17830 in support of management and integration. 890520

Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
5,132.0	5,205.0	5,248.0	5,219.0	5,555.0	5,757.0

Description: Remaining contractors in support of resources and program management. 890522

Item: Space and Life Sciences Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
810.0	820.0	830.0	840.0	850.0	860.0

Description: General Electric government services NAS 9-17884 in support of human space flight and systems engineering. 890548

Item: Mission Control Center Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	1,210.0	0.0	4,050.0	2,700.0	0.0

Description: Mission Control Center upgrade-Air Force project in support of Orbiter. 900032

Item: Space Station Support Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
940.0	1,552.0	2,315.0	2,645.0	837.0	817.0

Description: MOD space station technical office engineering workstations in support of operations/utilization capability development (OUCD). 900036

Item: Space Station Support Systems, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
250.0	3,200.0	750.0	730.0	730.0	815.0

Description: Space station MOD information systems hosts in support of operations/utilization capability development (OUCD). 900044

Item: Space Station Training Facility, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	1,950.0	1,750.0	1,750.0	0.0

Description: Space station training facility in support of operations/utilization capability development (OUCD). 900058

Item: Space Station Control Center, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	3,000.0	2,800.0	2,800.0	2,800.0	0.0

Description: Space station control center in support of operations/utilization capability development (OUCD). 900064

Item: Integrated Management Information Center, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,800.0	3,500.0	3,500.0	600.0	500.0	0.0

Description: Integrated management information center system upgrade in support of launch and mission support. 900156

Item: JSC Space STation Project Off Data Support System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
4,432.0	886.0	1,000.0	1,194.0	5,684.0	1,316.0

Description: JSC space station project office data support system host in support of management and integration. 900158

Item: JSC Space Station project Off Data Support System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,984.0	2,553.0	2,726.0	3,368.0	2,244.0	2,244.0

Description: Data support system TMIS-compatible hardware in support of management and integration. 900160

Item: Central Computing Facility, Lease of ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	0.0	1,669.0	1,669.0	2,796.0

Description: Central computer facility replacement in support of management and integration (part of carrier account). 900180

Item: Mission Operations Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	2,816.0	8,611.0	16,402.0	19,190.0

Description: Space station control center in support of operations/utilization capability development (OUCD). 900194

Item: Mission Operations Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	2,816.0	9,149.0	15,977.0	16,280.0

Description: Space station support systems in support of operations/utilization capability development (OUCD). 900196

Item: Mission Operations Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	2,816.0	9,015.0	16,684.0	17,034.0

Description: Space station training facility in support of operations/utilization capability development (OUCD). 900198

Item: Mission Operations Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
0.0	3,800.0	7,678.0	11,375.0	17,292.0	20,750.0

Description: Space station control center contractor in support of operations/utilization capability development (OUCD). 900200

Item: Mission Operations Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	2,830.0	5,014.0	5,221.0	5,321.0

Description: Space station support systems contractor in support of operations/utilization capability development (OUCD). 900202

Item: Mission Operations Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
0.0	560.0	8,173.0	10,678.0	11,783.0	12,042.0

Description: Space station training facility contractor in support of operations/utilization capability development (OUCD). 900204

Item: Mission Support Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
11,135.0	11,548.0	12,419.0	13,226.0	13,746.0	14,085.0

Description: Computer Science Corporation NAS 9-17920 in support of JSC Resources and Program MANAGEMENT, data system and flight operation (part of carrier account). 900214

Item: Mission Support Directorate, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
2,243.0	2,706.0	2,748.0	3,071.0	3,137.0	3,285.0

Description: Computer Science Corporation NAS 9-17920 in support of data system and flight operation (part of carrier account). 900220

Item: Space and Life Sciences Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,540.0	1,540.0	1,540.0	1,540.0	1,540.0	1,540.0

Description: Lockheed Engineering and Sciences Company NAS9-17900 in support of research and test operations. 900222

Item: Mission Support Directorate, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
0.0	983.0	1,031.0	1,224.0	1,346.0	1,481.0

Description: Operations automatic data processing contract-OADP in support of operations/utilization capability development (OUCD), space station operations. 900230

Item: Administration Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
4,341.0	5,891.0	6,165.0	6,452.0	6,951.0	7,264.0

Description: McDonnell Douglas Corp NAS 9-17885 in support of resources and program management. 900244

Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
12,370.0	12,562.0	13,585.0	14,136.0	14,597.0	14,952.0

Description: Computer Science Corporation NAS 9-17920 in support of JSC resources and program management, data system and flight operation. 900260

Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
4,157.0	4,357.0	4,550.0	4,871.0	5,078.0	5,301.0

Description: McDonnell Douglas Corp NAS 9-17885 in support of JSC resources and program management, flight operations. 900262

Item: Mission Support Directorate, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
2,577.0	2,639.0	2,783.0	2,937.0	3,073.0	3,203.0

Description: Computer Science Corporation NAS 9-17920 in support of data system and flight operation. 900278

Item: **JSC - ADP Activity, Purchase ADP Hardware**

Obligations:

1990	1991	1992	1993	1994	1995
11,605.6	8,678.9	7,695.8	7,881.1	6,851.6	7,184.3

Description: Actions wth 1 yr. Costs < $250K and cum. Costs < $1M in support of data system and flight operation (part of carrier account). 910012

Item: Mission Control Center Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,039.0	798.0	920.0	1,418.0	875.0	298.0

Description: Mission control center upgrade hardware in support of Orbiter. 910018

Item: Mission Control Center Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,547.0	2,165.0	6,774.0	4,998.0	8,361.0	6,243.0

Description: Mission control center upgrade hardware-OADP in support of Orbiter, launch and mission support. 910020

Item: Mission Control Center Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
2,228.0	4,950.0	5,486.0	4,950.0	0.0	0.0

Description: Mission control center upgrade work station in support of launch and mission support. 910022

Item: Mission Control Center Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	0.0	20,500.0	12,719.0	--	--

Description: Operations automatic data processing contract in support of launch and mission support. 910024

Item: Space Station Training Facility, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	6,256.0	439.0	9,532.0	0.0	0.0

Description: Space station training facility hardware-OADP in support of operations/utilization capability development (OUCD). 910028

Item: Space Station Training Facility, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,094.0	3,082.0	3,785.0	3,834.0	5,428.0	6,545.0

Description: Space station training facility hardware in support of operations/utilization capability development (OUCD), space station operations. 910030

Item: Space Station Control Center, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
6,907.0	16,565.0	28,409.0	464.0	510.0	561.0

Description: Space station support automatic data processing hardware in support of operations/utilization capability development (OUCD). 910032

Item: Center Information Network, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
595.0	1,639.0	2,437.0	2,063.0	1,723.0	1,809.0

Description: Local area network in support of resources and program management. 910042

Item: Engineering Simulations Laboratory, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
9,800.0	9,300.0	9,100.0	9,300.0	9,100.0	2,141.0

Description: Acquire Class VI computer capability in support of research and test operations. 910098

Item: Engineering Simulations Laboratory, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
768.0	928.0	1,934.0	624.0	624.0	2,392.0

Description: ADPE life cycle replacement of obsolete equipment in support of research and test operations (part of carrier account).

Item: Engineering Simulations Laboratory, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,800.0	2,100.0	1,800.0	1,800.0	1,800.0	800.0

Description: Space system automated integration and assembly facility in support of assembly hardware/subsystems. 910106

Item: Engineering Simulations Laboratory, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
903.0	1,892.0	909.0	929.0	950.0	950.0

Description: Simulation systems branch purchase/augmentation in support of operations/utilization capability development (OUCD), Orbiter. 910110

Item: Flight Training and Planning Facilities, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	1,775.0	1,875.0	1,104.0	976.0	1,028.0

Description: MOD engineering workstations in support of flight operations. 910130

Item: Flight Training and Planning Facilities, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,063.0	1,102.0	1,192.0	993.0	1,204.0	1,347.0

Description: MOD personal computers in support of flight operations. 910138

Item: Flight Design Computational Facility - Upgrade, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
2,666.0	4,263.0	3,496.0	597.0	0.0	0.0

Description: Flight design computational facility hardware in support of launch and mission support. 910150

Item: Software Development Facility, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
280.0	280.0	1,075.0	3,110.0	2,934.0	3,726.0

Description: Software development facility equipment upgrade in support of launch and mission support. 910154

Item: Software Development Facility, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
968.0	1,043.0	4,500.0	0.0	0.0	0.0

Description: Software development facility replacement in support of launch and mission support. 910156

Item: Software Production Facility - Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
500.0	735.0	1,809.0	1,866.0	1,084.0	500.0

Description: Software production facility equipment upgrade in support of launch and mission support. 910158

Item: Software Production Facility - Upgrades, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	3,965.0	4,983.0	4,474.0	0.0	0.0

Description: Software production facility replacement in support of launch and mission support. 910160

Item: JSC - ADP Activity, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
3,705.0	2,512.0	2,069.0	2,014.0	1,862.0	1,558.0

Description: Actions wth 1 yr. Costs < $250K and cum. Costs < and1M in support of operations/utilization capability development (OUCD), flight operations (part of carrier account). 910164

Item: JSC - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
2,252.0	2,524.0	2,648.0	2,918.0	3,284.0	3,770.0

Description: Actions wth 1 yr. Costs < $250K and cum. Costs < $1M IN support of flight operations (part of carrier account). 910190

Item: Mission Operations Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
968.4	968.6	1,016.8	952.1	944.7	979.3

Description: Remaining contractors in support of JSC resources and program management, flight operations. 910196

Item: Engineering Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
2,414.0	2,523.0	2,636.0	2,755.0	2,879.0	3,008.0

Description: Contract not awarded in support of research and test operations. 910198

Item: Engineering Directorate, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
7,446.0	8,391.0	8,775.0	9,173.0	9,591.0	10,113.0

Description: Lockheed Engineering and Sciences Co. NAS9-17900 in support of launch and mission support, research and test operations. 910200

Item: Engineering Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
6,399.0	7,488.0	8,288.0	9,244.0	10,133.0	11,128.0

Description: Lockheed Engineering and Sciences Co. NAS9-17900 in support of flight operations, research and test operations. 910208

Item: Engineering Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,322.0	1,439.0	1,517.0	1,595.0	1,691.0	1,766.0

Description: Remaining contractors in support of research and test operations (part of carrier account). 910210

Item: Mission Support Directorate, Proprietary Software Annual License Fee

Obligations:

1990	1991	1992	1993	1994	1995
8,420.0	10,301.0	9,556.0	8,071.0	7,708.0	4,933.0

Description: Lockheed Missiles and Space Co NAS 9-17830 in support of management and integration. 910214

Item: Mission Support Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
948.0	995.0	1,045.0	1,097.0	1,152.0	1,210.0

Description: Lockheed Missiles and Space Co NAS 9-17830 in support of management and integration. 910220

Item: Mission Support Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
5.0	549.0	1,479.0	3,485.0	3,863.0	4,249.0

Description: Space station control center contract in support of operations/utilization capability development (OUCD), space station operations. 910224

Item: Mission Support Directorate, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
0.0	2,039.0	2,755.0	2,569.0	3,380.0	3,228.0

Description: Space station training facility contract in support of operations/utilization capability development (OUCD), space station operations. 910228

Item: Engineering Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
16,588.0	18,446.0	20,513.0	21,518.0	21,115.0	21,520.0

Description: Lockheed Engineering and Sciences Co. NAS9-17900 in support of assembly hardware/subsystems, research and test operations. 910256

Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
7,124.0	29,522.1	50,765.3	26,483.5	13,887.7	14,018.9

Description: Mission systems contract in support of operations/utilization capability development (OUCD). 910266

Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
4,247.0	16,304.6	25,050.2	22,121.6	23,760.4	8,498.2

Description: Space station training facility contract in support of operations/utilization capability development (OUCD), space station operations. 910270

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Item: Mission Support Directorate, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
4,867.0	17,129.0	25,468.0	16,870.0	2,386.0	0.0

Description: Training systems contract in support of operations/utilization capability development (OUCD). 910272

Item: Safety Reliability and Quality Assurance Directorate, ADP Studies and Other

Obligations:

1990	1991	1992	1993	1994	1995
1,300.0	1,300.0	1,300.0	1,300.0	1,300.0	1,300.0

Description: Boeing Company NAS 9-16960 in support of research and test operations. 910276

Item: Space Station Training Facility, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
0.0	1,671.0	1,814.0	1,756.0	0.0	0.0

Description: Space station training facility software purchase in support of operations/utilization capability development (OUCD). 910278

Kennedy Space Center

Item: Computer Aided Design/Engineering System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,188.0	1,709.0	741.0	823.0	853.0	910.0

Description: Computer aided engineering/computer aided design in support of launch systems operations. 890028

Item: Checkout, Control and Monitor System II, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
0.0	6,821.0	19,597.0	39,351.0	38,166.0	25,000.0

Description: CCMS II hardware upgrade in support of launch site equipment. 890030

Item: Central Data System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
13,491.0	11,517.0	4,082.0	1,365.0	1,075.0	1,585.0

Description: Lnch proc system ctral data system in support of launch site equipment. 890036

Item: Checkout, Control and Moniter System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
5,502.0	5,566.0	4,200.0	4,200.0	2,281.0	1,500.0

Description: Checkout, control, and monitor system in support of launch site equipment. 890040

Item: Shuttle Proc Data Mgmt System II, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
9,120.0	7,527.0	3,887.0	0.0	0.0	0.0

Description: Shuttle processing data mgmt system (SPDMS II) in support of launch site equipment. 890048

Item: Space Station Software Development Facility, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
8,169.0	1,106.0	1,692.0	1,692.0	728.0	0.0

Description: Space station software production facility in support of operations/utilization capability development (OUCD). 890058

Item: KSC - ADP Activity, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,236.1	1,490.6	1,637.1	1,828.6	1,957.7	1,606.7

Description: Actions with 1 yr cost <$250K and cum cost <$1M in support of KSC resources and program management, launch and landing operations. 890076

Item: KSC - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
10,694.0	10,054.0	11,118.0	11,503.0	11,897.0	12,624.0

Description: Base operations contract (EGandG) in support of ksc resources and program management, flight operations. 890084

Item: Computer Aided Design/Engineering System, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
699.0	782.0	868.0	934.0	999.0	1,052.0

Description: Computer aided engineering/computer aided design in support of launch systems operations. 890102

Item: Central Data System, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
5,498.0	5,386.0	5,901.0	6,218.0	6,516.0	0.0

Description: Lnch proc system central data system (LPS CDS) and SPDMS in support of launch and landing operations. 890110

Item: KSC - ADP Activity, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
38,550.0	40,280.0	42,100.0	43,990.0	45,970.0	48,040.0

Description: SPC operations in support of launch and landing operations. 890124

Item: Launch Team Training System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,305.9	4,476.9	9.8	2,359.9	9.9	9.9

Description: Launch Team Training System (LTTS) in support of launch site equipment. 900014

Item: LPS Software Development Network, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
775.1	810.0	846.4	884.5	924.3	970.5

Description: Software development network (LPS) in support of launch and landing operations. 900016

Item: Space Station Test, Control and Monitor SY, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
5,040.0	12,772.0	17,307.0	13,076.0	5,314.0	2,232.0

Description: Space Station Test Control and Monitor System (TCMS) in support of operations/utilization capability development (OUCD). 900030

Item: Space Station Management Information System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
2,325.0	1,556.0	904.0	3,133.0	3,348.0	0.0

Description: Space Station Mgmt Information System (MIS) in support of operations/utilization capability development (OUCD). 900038

Item: Payload Data Management System, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,115.0	4,855.0	4,739.0	70.0	38.0	190.0

Description: Payload data management system in support of operations/utilization capability development (OUCD), multi-mission and payload support equipment. 900046

Item: Checkout, Control and Monitor System II, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
0.0	401.0	1,117.0	2,202.0	2,127.0	326.0

Description: CCMS II hardware upgrade in support of launch site equipment. 900062

Item: LPS Software Development Network, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
1,100.0	1,200.0	1,200.0	1,200.0	1,300.0	1,300.0

Description: Software development network (LPS) in support of launch and landing operations. 900078

Item: Electronic Security System, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,201.0	1,310.0	890.0	935.0	982.0	1,030.0

Description: Electronic Security System (ESS) in support of resources and program management. 900080

Item: Space Station Test, Control and Monitor SY, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
927.0	1,702.0	1,494.0	1,558.0	625.0	263.0

Description: Space Station Test Control and Monitor System(TCMS) in support of operations/utilization capability development (OUCD). 900098

Item: Checkout, Control and Monitor System II, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
0.0	803.0	2,234.0	4,404.0	4,254.0	651.0

Description: CCMS II hardware upgrade in support of launch site equipment. 900108

Item: Payload Data Management System, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
800.0	1,617.0	1,166.0	1,929.0	2,006.0	2,107.0

Description: Payload data management system in support of operations/utilization capability development (OUCD), multi-mission and payload support equipment. 900114

Item: Space Station Logistics Management Inform, Contract for ADP Operations Services

Obligations:

1990	1991	1992	1993	1994	1995
1,177.0	2,454.0	1,995.0	725.0	420.0	441.0

Description: Space station logistics mgmt information system in support of operations/utilization capability development (OUCD). 900118

Item: Space Station Management Information System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
347.0	573.0	709.0	1,946.0	1,582.0	0.0

Description: Space station mgmt information system (MIS) in support of operations/utilization capability development (OUCD). 900128

Item: KSC - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
1,462.0	1,257.0	966.0	1,016.0	911.0	1,079.0

Description: Actions with 1 yr cost <$250K and cum cost <$1M in support of launch site equipment. 910012

Item: KSC - ADP Activity, Purchase ADP Hardware

Obligations:

1990	1991	1992	1993	1994	1995
870.0	931.0	949.0	967.0	985.0	1,004.0

Description: Civil service personal computers in support of resources and program management. 910016

Item: Launch Team Training System, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
833.8	253.4	28.0	4,842.5	0.0	4,725.0

Description: Launch Team Training System (LTTS) in support of launch site equipment. 910044

Item: Shuttle Proc Data Mgmt System II, Purchase of Software, Data Entry, Keypunch, Other Equipment

Obligations:

1990	1991	1992	1993	1994	1995
3,357.0	1,610.0	885.0	600.0	0.0	0.0

Description: Shuttle Processing Data Mgmt System (SPDMS II) in support of launch site equipment. 910046

Item: Shuttle Proc Data Mgmt System II, ADPE Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
557.0	789.0	670.0	1,501.0	1,200.0	1,350.0

Description: Shuttle Processing Data Mgmt System (SPDMS II) in support of launch site equipment, launch and landing operations. 910096

Item: Launch Team Training System, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
3,030.0	3,100.0	70.0	0.0	0.0	0.0

Description: Launch Team Training System (LTTS) in support of launch site equipment. 910118

Item: Space Station Test, Control and Monitor SY, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
9,616.0	15,289.0	17,026.0	14,338.0	7,063.0	1,090.0

Description: Space Station Test Control and Monitor System (TCMS) in support of operations/utilization capability development (OUCD). 910126

Item: Checkout, Control and Monitor System II, Contract for Analysis/Programming

Obligations:

1990	1991	1992	1993	1994	1995
2,664.0	11,027.0	11,141.0	11,493.0	9,802.0	5,448.0

Description: CCMS II hardware upgrade in support of launch site equipment. 910130

OFFICE OF PERSONNEL MANAGEMENT

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Federal Employees' Retirement System (FERS) Automated Processing System

Obligations:	1990	1991	1992	1993	1994	1995
	8,553	9,116	9,751	11,830	12,734	11,872

Description: The FERS Automated Processing System (FAPS) will be designed to avert the problems of the decentralized, paper-dependent Civil Service Retirement System. OPM will utilize current technology to build a modern automated system that will provide (1) a central data base of employee salary and service history records, and (2) efficient and flexible support systems for FERS processing for the long-term future. This system will support agency benefit counseling to employees and provide the means to improve the quality and timeliness of agency processing of retirement-related data and forms.

SMALL BUSINESS ADMINISTRATION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Acquisition of Mainframe ADP Services from an Outside Source

Obligations:

1990	1991	1992	1993	1994	1995
983	5,570	5,754	5,915	6,058	6,197

Description: During FY 1989, the SBA prepared and submitted an Agency Procurement Request to GSA and they granted a Delegation of Procurement Authority for the Agency to acquire ADP services using the Teleprocessing Services Program Basic Agreement for services at various SBA facilities throughout the U.S. A Request for Proposals was prepared for release to the public and benchmark tests were also designed. During FY 1990, bidders' proposals will be evaluated and a contract will be awarded or an interagency sharing agreement established, depending upon a comparison of proposed costs of the two alternatives. Mainframe computer applications will begin to be benchmarked, converted, and acceptance tested; and databases and files will be transferred to the new ADP services facility. During FY 1991, after completion of the transition into the new ADP services environment, the existing SBA mainframe computer, a Unisys 1100/84, will be phased out service and disposed of in accordance with GSA procedures.

AGENCY FOR INTERNATIONAL DEVELOPMENT

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Financial Accounting and Control System (FACS)

Obligations:

1990	1991	1992	1993	1994	1995
1,000	5,000	3,000	1,000	1,000	1,000

Description: Address the core financial requirements for the official accounting system for A.I.D. as a replacement for the existing financial accounting system (FACS).

Item: A.I.D. Washington Automation Initiative

Obligations:

1990	1991	1992	1993	1994	1995
318	400	290	290	291	

Description: Modernize A.I.D.'s existing automation base in headquarters and extend end-user computing to a larger part of the Agency's work force. Old, costly to maintain hardware will be updated during this process.

Item: Overseas Missions Open Systems Hardware and Software

Obligations:

1990	1991	1992	1993	1994	1995
155	1,335	6,000	6,000	4,000	150

Description: Institute new computer hardware and software based on the multi-platform, open-system concept for its overseas missions. During this period, application systems must be kept operational in the current hardware environment and also made available to sites implementing the new technology. At the same time, development of new application software and enhancements to existing software must continue in order to improve mission operations and project management.

Item: ADP Information Security

Obligations:

1990	1991	1992	1993	1994	1995
300	600	1,200	1,200	600	400

Description: Improve overall ADP security worldwide. Overseas the focus will be on closing the communications gap between A.I.D. Washington, and the field as it pertains to the following issues:

- Protecting sensitive data in the field;
- Enhancing physical security of A.I.D.'s ADP facilities;
- Securing all international communications;

- Countering the threats to or automated application systems.

Domestically, the program will emphasize the following:

- Disaster recovery for our computer centers;
- Removing unacceptable vulnerabilities in the automated system applications;
- Resolving personnel ADP Security issues.

Item: Mission Project Officer System

Obligations:

1990	1991	1992	1993	1994	1995
800	840	550	350	350	350

Description: These funds are for systems to be used by the Agency's Officers who manage the implementation of development projects in 70 countries. the effort also includes elements to improve the overall management of program portfolios.

FEDERAL COMMUNICATIONS COMMISSION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: FCC Advanced Computer System

Obligations:

1990	1991	1992	1993	1994	1995
125	662	1,600	1,600	1,600	1,600

Description: The Commission has begun implementing the concept of decentralized/distributed computer processing in an end-user type environment. Under this distributed concept computer application systems will be moved to smaller end-user oriented minicomputers with communication links to other computers. A large computer will continue to serve as a file server for the distributed network.

FEDERAL EMERGENCY MANAGEMENT AGENCY

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: FEMA National Radio System (FNARS)

Obligations:

1990	1991	1992	1993	1994	1995
3,476	3,450	3,588	3,721	3,847	3,967

Description: Provides a high frequency radio medium for emergency information among Federal, State, local, and territorial governments. Control facilities for stations in FNARS are collocated with FEMA Switched Network (FSN) Private Automatic Branch Exchanges (PABXs) in each communications center to enable immediate routing of terrestrial-based traffic over FNARS. FNARS equipment in the State, Local, and territorial governments is located in Emergency Operations Centers (EOCs). FNARS is interoperable with high frequency radio systems of other Federal Agencies and military services. As part of the current upgrade program, FNARS radios are designed to interoperate with FSN and Direction Control & Warning System (DCWS).

Item: National Warning System (NAWAS)

Obligations:

1990	1991	1992	1993	1994	1995
7,245	7,500	7,800	8,089	8,364	8,623

Description: Provides the people of the U.S. with warning of an impending attack upon the country and also is used extensively in natural disasters, hazardous weather conditions, sea wave warning, and downed aircraft situations. Its special purpose telephone circuits connect the National Warning Center and Alternate National Warning Center to FEMA Headquarters, FEMA Regional Offices, selected Federal agencies and military installations, and State, county, and city warning points which are manned 24-hours-a-day.

Item: LAN/WAN Project (DDP Phase III)

Obligations:

1990	1991	1992	1993	1994	1995
3,000	3,000	1,000	1,000	1,000	1,000

Description: The local area network/wide area network (LAN/WAN) project consists of the development of nationwide integration of data processing, office automation, and financial accounting functions utilizing the System 85 and T1 carrier capabilities of the FEMA Switched Network (FSN), and eliminating duplicate dedicated lines. The 22 UNISYS clusters will be replaced by the integration of PC-based standard terminals which will provide gateways to FEMA National Computers and inter/intra-Regional connectivity as well as enhanced stand-along capabilities. Three prototype local area networks (LANs) will be designed, developed and installed during FY 90-91. Nationwide integration of the LAN into a wide area network (WAN) will be accomplished during FY 90-91.

Item: Integrated Emergency Management System (IEMIS)

Obligations:

1990	1991	1992	1993	1994	1995
1,642	1,720	1,720	1,720	1,720	1,720

Description: Used as a decision aid in emergency preparedness planning, training, exercises, and a variety of responses, particularly for hazardous materials accidents, catastrophic natural disasters, mobilization planning, and Continuity of government activities. It displays color graphic maps an basic resources arrays interactively in vector graphic form. IEMIS allows assessments of specially related information such as: daytime and nighttime population distribution, accidental spills of toxic material with dynamic displays of plumes of diffused gases, flood waters, and movement of vehicles. The equipment and geographic data base also serve other FEMA programs. Users of IEMIS in FEMA: Directorates and Regional Operations in FEMA Headquarters and FEMA Regional Offices. Other users are Transportation Research Laboratory of the Department of Transportation, National Aeronautics and Space Administration, Department of Energy, elements of the Department of Defense, and State and local governments. A worldwide geographic data base is being added to he system to support FEMA's NATO responsibilities. Negotiations with Canada are underway to provide an exchange of data.

Item: FEMA Financial Management System

Obligations:

1990	1991	1992	1993	1994	1995
1,555	1,979	1,571	1,623	1,695	1,492

Description: Implemented in 1982 as an accounting and reporting system that operated only in a batch mode. That system has been enhanced in subsequent years and now includes budget, procurement, accounting, and other administrative processes into an integrated system that has achieved significant on-line capabilities. The goal for the next several years is to bring the system fully on-line for all financial processes and into conformance with requirements published in 1988 for Federal Financial Management Systems. The Agency will continue to provide support to other Federal agencies under Reform 88 initiatives to share financial management resources.

Item: National Flood Insurance Program

Obligations:

1990	1991	1992	1993	1994	1995
4,671	4,671	4,671	4,671	4,671	4,671

Description: This funds the large-scale property insurance system which is used to operate the National Flood Insurance Program, the Write-Your-Own (WYO) technical system, which maintains policy and claims data on WYP companies, and an actuarial system used to set flood insurance rates.

Item: **Administrative Telephone**

	1990	1991	1992	1993	1994	1995
Obligations:	2,646	2,646	2,981	2,981	2,981	2,981

Description: The Funding of the day-to-day administrative telephone services for FEMA headquarters and regional elements includes local commercial systems, equipment in FEMA headquarters, intercity voice networks such as: The Federal Telecommunications System (FTS), Federal Secure Telephone Services (FSTS), and the Automatic Voice Network (AUTOVON).

FEDERAL TRADE COMMISSION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Computer system hardware and software procurement

Obligations:

1990	1991	1992	1993	1994	1995
1,481	1,150	1,000	1,000	1,000	1,000

Description: Computer hardware and software are acquired by the Automated Systems Division to support Commission staff. These figures include planned enhancements and growth for the existing in-house computer system hardware and related software, annual replace of a portion of the aging micro-computer workstation inventory, enhancing the office automation capability and data processing power of the ten regional offices (1991-1993), and upgrade or replacement of the existing central computer system hardware and system software (1994-1995).

INTERSTATE COMMERCE COMMISSION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Teleprocessing services contract

Obligations:

1990	1991	1992	1993	1994	1995
569	569	569	569	569	569

Description: Fixed price five-year contract with fiscal year renewal. Contract expired at the end of Fiscal Year 1989 and was recompeted and awarded for another five-year period.

Note: The Administration proposed in the FY 1991 budget to sunset the Interstate Commerce Commission by October 1, 1990, and deregulate completely interstate motor freight carriers, household goods freight forwarders, property brokers, bus companies, and inland water carriers. Teleprocessing services contract is projected for FY 1992-1995 at a level of service commensurate with decreasing levels of staffing at a current services level.

NATIONAL ARCHIVES AND RECORDS ADMINISTRATION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: NARA Archives II Common Usage System

Obligations:

1990	1991	1992	1993	1994	1995
276	328	4,102	5,253	2,878	[1]

Description: This activity will provide for the development, operation and maintenance of data communications and administrative information processing to support all organizations in the new Archives II facility. Provides access to all archival Life Cycle systems from common use workstations.

Item: The National Archives Archival Information System (AIS)

Obligations:

1990	1991	1992	1993	1994	1995
705	125	2,250	2,075	2,090	[1]

Description: This system will provide intellectual and physical control for the accessioned records of the Office of the National Archives, and assist in providing reference service on those materials. This system replaces the NARS A-1 location register which was developed in 1973.

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[1] No estimates are available for FY 1995.

NATIONAL LABOR RELATIONS BOARD

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Acquisition of personal computers

Obligations:	1990	1991	1992	1993	1994	1995
	0	1,000	3,000	6,843	6,370	3,000

Description: Additional personal computers (about 1600) will be procured. Costs include the equipment, peripherals, contractor support, training, ... etc.

NUCLEAR REGULATORY COMMISSION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Acquisition of Microcomputers

Obligations:

1990	1991	1992	1993	1994	1995
2,643	800	800	800	800	800

Description: Acquisition of original and replacement machines and upgrades to existing machines.

Item: Office Automation Capital Replacement

Obligations:

1990	1991	1992	1993	1994	1995
2,000	4,600	3,000	0	0	0

Description: Acquisition of microcomputers, shared file servers, and associated hardware and software to create local area networks (LANS) to replace existing word processing capability.

Item: Local Area Network (LAN) Expansion

Obligations:

1990	1991	1992	1993	1994	1995
0	400	2,000	2,000	1,000	1,000

Description: Acquisition of shared file servers and associated hardware and software to expand the local area networks (LANS) created as a result of the Office Automation Capital Replacement, to incorporate existing microcomputers.

Item: Long-Distance Voice and Data Telecommunications*

Obligations:

1990	1991	1992	1993	1994	1995
1,100	1,100	1,100	1,100	1,100	1,100

Description: Lease of commercial transmission capabilities.

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*Dependent upon the dates of implementation and the associated utilization of WITS and FTS-2000, some portions of these accounts will become interagency transfers.

Item: Local Voice and Data Telecommunication*

Obligations:

1990	1991	1992	1993	1994	1995
2,400	2,400	2,400	2,400	2,400	2,400

Description: Lease of commercial transmission capabilities for headquarters.

Item: General ADP Systems Support and Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
3,500	4,060	3,940	3,940	3,940	3,940

Description: Commercial systems support and data entry for all existing ADP systems except the Nuclear Documents System.

Item: General ADP Systems Development

Obligations:

1990	1991	1992	1993	1994	1995
675	275	1,325	1,325	1,325	1,325

Description: Commercial Applications systems development on NRC-owned microcomputers and minicomputers and on timeshared mainframes, including the Shared Information Network.

Item: Nuclear Documents System Operations and Maintenance

Obligations:

1990	1991	1992	1993	1994	1995
5,600	5,900	5,900	5,900	5,900	5,900

Description: Commercial operational support, system maintenance, data entry and minor enhancements for the Nuclear Documents System.

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*Dependent upon the dates of implementation and the associated utilization of WITS and FTS-2000, some portions of these accounts will become interagency transfers.

NATIONAL SCIENCE FOUNDATION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: **Large-scale Mainframe with upgrades**

Obligations:

1990	1991	1992	1993	1994	1995
3,000	3,000	3,000	3,000	3,000	3,000

Description: Large system configuration capable of providing real-time response to all anticipated demands for management information and operational support. Planned upgrades in the out-years will enhance storage, communications capabilities and processing power. Software upgrades will provide more powerful, efficient processing. Life cycle replacement and replacement of technologically obsolete equipment are also planned.

Item: **Advanced Workstations**

Obligations:

1990	1991	1992	1993	1994	1995
800	900	1,500	1,300	1,400	1,500

Description: Acquisition of advanced workstations and related hardware and software to increase distributed processing power and replace the inventory of older, technologically obsolete desktop computers.

Item: **Contract Services**

Obligations:

1990	1991	1992	1993	1994	1995
5,724	6,228	6,780	7,050	7,550	7,800

Description: Commercial services including the facility management contract, software developments contracts to develop and enhance information systems, the Information Resources Center and maintenance agreements. Contract Services costs also include teleprocessing services contracts paid to private vendors.

PEACE CORPS

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Obligations:	1990	1991	1992	1993	1994	1995
	3,591	3,977	3,315	3,482	3,655	3,873

Description: These costs reflect both Headquarters and overseas microcomputer purchases and maintenance. In addition, mainframe and microcomputer software and hardware leases and maintenance, and all telecommunications services are included.

The current mainframe lease expires in September 1991. There were no obligations against this lease in FY 1989. In FY 1990 and FY 1991, $500 thousand is scheduled to be obligated for the lease in both years. Approximately $490 thousand will be obligated in FY 1991 to install and upgrade overseas computers. FY 1992 through FY 1995 reflect estimates based on inflation and Agency growth.

These figures include all capital investments, leases of hardware and software, and commercial services as reported on Exhibit 43A.

RAILROAD RETIREMENT BOARD

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: **Data Communication Networking Services Contract**

Obligations:

1990	1991	1992	1993	1994	1995
1,000	1,200	1,200	1,200	1,200	1,200

Description: The agency will continue to incur contractual obligations associated with the operation of its field office data communications network.

Item: **Mainframe Computer Replacement**

Obligations:

1990	1991	1992	1993	1994	1995
0	9,800	0	0	0	0

Description: To provide the capability required to support our automation initiatives, the RRB will require a new more efficient high capacity data processor.

SECURITIES AND EXCHANGE COMMISSION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Information Systems Management

Item: Securities and Exchange Commission Office Automation System

Obligations:	1990	1991	1992	1993	1994	1995
	1,415	1,415	1,415	1,415	0	0

Description: Consistent with a FEDSIM cost/benefit analysis, implementation of the OMB-approved Commission-wide office automation system integrating internal and external communications and computing. Revised from three- to four-year implementation in order to provide time for EDGAR LAN development and testing of OS/2 technology.

EDGAR Management

Item: Electronic Data Gathering Analysis and Retrieval System

Obligations:	1990	1991	1992	1993	1994	1995
	10,700	12,600	8,200	7,700	7,000	7,100

Description: Operational system design, installation and maintenance under BDM contract.

SMITHSONIAN INSTITUTION

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

	1990	1991	1992	1993	1994	1995
Obligations:	8,164	8,815	9,520	10,282	11,105	11,993

Description: Information technology capabilities enable the Smithsonian, as a national resource, to provide valued research and education programs. These capabilities include computer hardware, software, systems development methods, and communication lines and networks. Acquisitions of information technologies from 1990 - 1995 will focus on using appropriate advanced information technologies to position the Smithsonian as a leader in areas of research, education, and collections management. A major emphasis will be placed on information planning activities to integrate, maintain, and migrate automated systems in a more efficient manner.

TENNESSEE VALLEY AUTHORITY

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Item: Distributed Computing Equipment

Obligations:

1990	1991	1992	1993	1994	1995
16,211	11,628	10,000	10,000	10,000	10,000

Description: Competitive procurement and support costs associated with the acquisition of essential new, upgrade, and replacement equipment for office automation, desktop and portable microcomputers, and distributed minicomputers.

Item: Central site Computing Equipment

Obligations:

1990	1991	1992	1993	1994	1995
5,377	3,875	4,000	6,000	6,000	6,000

Description: Competitive procurement of additional computing equipment to support central facility computing workload increases and to replace equipment becoming technologically obsolete or for which significantly high maintenance costs are being incurred, including general purposes business and scientific mainframe computers, centrally provided computer-assisted design (CAD) services, network data communications services, and associated peripheral equipment.

Item: Maintenance of Computing Equipment

Obligations:

1990	1991	1992	1993	1994	1995
8,853	8,853	9,296	9,671	10,249	10,761

Description: Maintenance costs associated with maintaining computing equipment for both central facility and distributed processing centers.

Item: Acquisition of Software

Obligations:

1990	1991	1992	1993	1994	1995
1,475	1,000	1,000	900	950	950

Description: Acquisition of both general purpose and specific purpose software for all three categories of central and distributed computing equipment (microcomputers, mini-computers, mainframe computers), including new purchases, upgrades, and new releases of currently owned software.

UNITED STATES INFORMATION AGENCY

Major Information Technology Acquisition Plans
1990-1995
(in thousands of dollars)

Television and Film Service

Item: Transmission costs for WORDLDNET

Obligations:	1990	1991	1992	1993	1994	1995
	11,177	10,862	11,188	11,523	11,869	12,225

Description: Funds are required for transmission costs associated with the daily WORLDNET service. In 1990, the Television and Film Service will continue to provide WORLDNET service to all areas of the world. Currently, TV has 24-hour capability five days a week on three different satellites. The estimates for 1991 through 1995 reflect small increases for inflation.

Overseas Posts

Item: Overseas Technology

Obligations:	1990	1991	1992	1993	1994	1995
	2,874	3,074	3,174	3,274	3,274	3,274

Description: Purchase and maintenance costs associated with the replacement of obsolete equipment overseas, and maintenance of existing Wang equipment.

Item: Operation of Agency's Computer Center

Obligations:	1990	1991	1992	1993	1994	1995
	1,881	1,950	1,950	1,950	1,950	1,950

Description: Continuing costs associate with computer and network operations which include hardware/software maintenance, software licenses, supplies and contract services.

Item: Satellite Interconnect System (SIS)/Satellite Network

Obligations:

1990	1991	1992	1993	1994	1995
6,378	6,507	6,767	7,318	7,610	7,914

Description: The primary function of SIS is delivery of a high quality program feed to the relay stations for subsequent transmission to VOA listeners. The SIS will provide communication services via satellite in lieu of leased commercial circuits, to the relay stations whose host country agreements allow for the placement and construction of earth stations (satellite dish) and LOC's (Local Operation Centers). Capital investment for the earth stations and satellite channels is provided by the Radio Construction appropriation from various major construction projects, and the operational costs are funded from S&E.

SIS operation costs have interconnected VOA's broadcasting house with relay stations in Greenville, Delano, Belize and Botswanna. In FY 1990, plans call for the connection of the satellite communication system in Morocco with direct, on-site access to an international communication satellite. This access will include reception of program feeds and two-way data and voice communication with central facilities in Washington. In FY 1992 SIS will become operational in Wofferton, Munich, Bethany and Liberia. Savings from leased commercial circuits should be sufficient to fund the additional lines in FY 1992. In FY 1993 an increase of $280,000 is required as Tinang and Thailand will become part of the SIS network.

Item: System for News and Programming (SNAP)

Obligations:

1990	1991	1992	1993	1994	1995
1,343	1,370	1,425	1,482	1,541	1,603

Description: SNAP is a sophisticated multilingual office automation environment for VOA writers, editors, translators, and related support functions. The system's outstanding word processing and electronic mail capabilities have revolutionized radio script preparation and office communication for VOA broadcasters. SNAP is also increasingly used to prepare broadcast schedules and other promotional materials for distribution to foreign audiences. The SNAP maintenance contract is due to expire in FY 1992, and therefore obligations for FY 1993-1995 should be regarded only as rough estimates.

Item: **Newswire Services**

Obligations:

1990	1991	1992	1993	1994	1995
1,763	1,804	1,876	1,951	2,029	2,110

Description: Contractual agreements with United Press International (UPI) Reuters News Services and others provide significant amounts of reportage from around the world that simply could not be recreated by the limited correspondent staffing of the bureau; nor would it be cost effective to attempt to do so. These services are available for use and translation by all language divisions in VOA as well as for Current Affairs and English broadcasting functions. FY 1991 reflects price increases throughout the network.

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